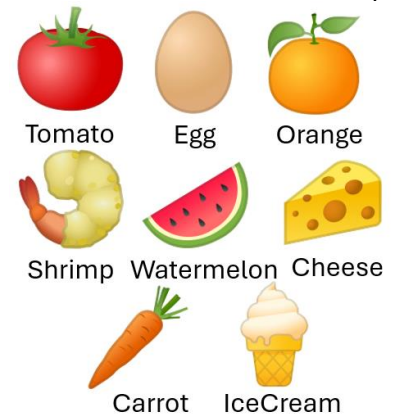
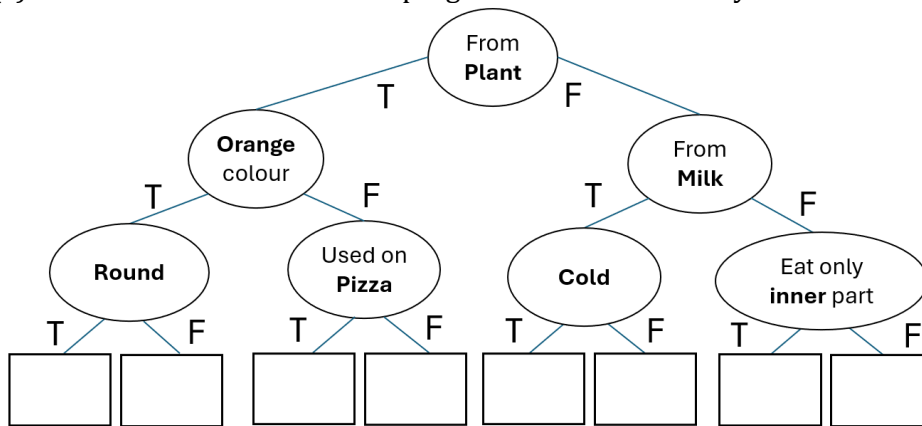


ICD20 – Exam Review – AI, Functions

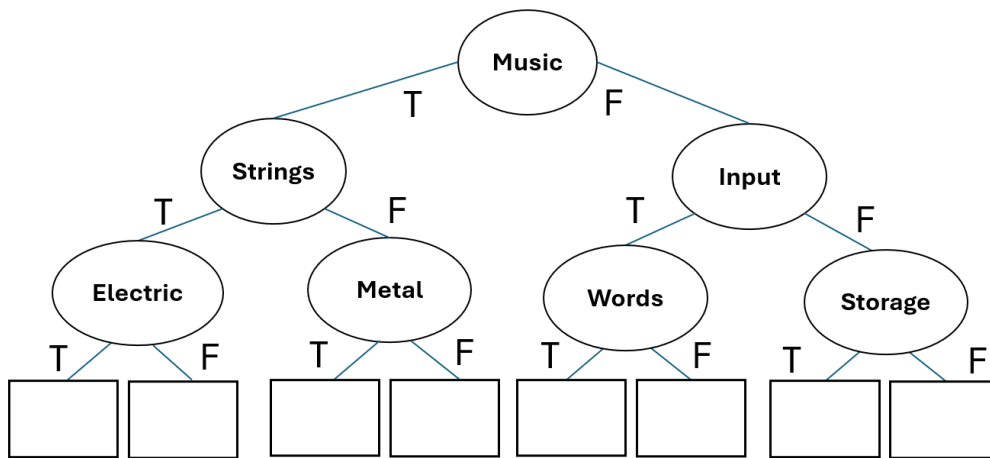
Name: _____ /10

1. (a) Fill in the blanks to make the program to build the binary search tree.



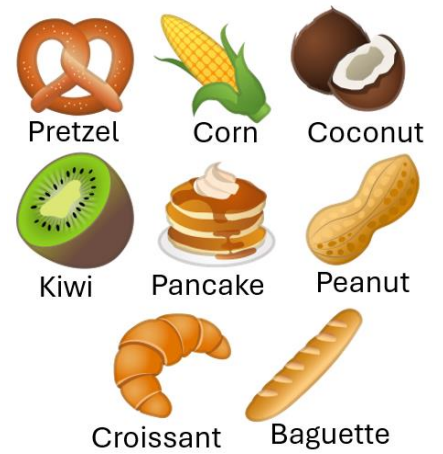
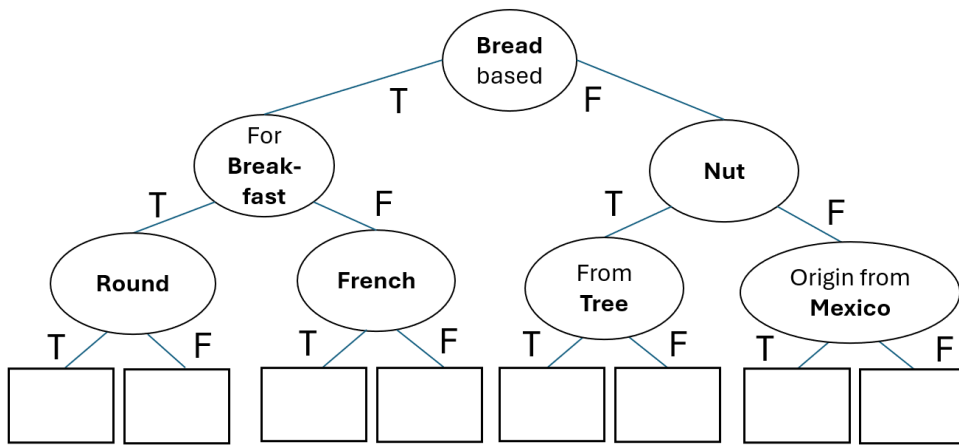
(b) Then, use your binary search tree to fill in the program.

<pre> onEvent("start", "click", function() { Plant(); }); //AI Question Functions ----- function Plant() { var ans = prompt("From a plant? (T/F)"); if (ans == "T") { Orange(); } else { Milk(); } } function Orange() { var ans = prompt("Orange colour (T/F)"); if (ans == "T") { Round(); } else { Pizza(); } } function Round() { var ans = prompt("Round? (T/F)"); if (ans == "T") { _____(); } else { _____(); } } function Pizza() { var ans = prompt("Used on pizza? (T/F)"); if (ans == "T") { _____(); } else { _____(); } } function Milk() { var ans = prompt("Made with milk? (T/F)"); if (ans == "T") { _____(); } else { _____(); } } </pre>	<pre> //Code Continued: _____ Cold() { var ans = prompt("Very cold? (T/F)"); if (ans == "T") { _____(); } _____ { _____(); } } function Inner() { var ans = prompt("Eat only inside? (T/F)"); if (ans == "T") { _____(); } else { _____(); } } //Food Functions (Leaves) ----- function Tomato() { setText("output", "Tomato"); } _____ Egg() { setText("output", "Egg"); } function Orange() { setText("output", "_____"); } function Shrimp() { setText("output", "_____"); } function Watermelon () { setText("_____", "Watermelon"); } function Chees() { _____("output", "Cheese"); } function Carrot() { setText("output", "_____"); } function IceCream() { setText("output", "_____"); } </pre>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



(b) Then, use your binary search tree to fill in the program.

<pre> onEvent("start", "click", function() { Music(); }); //AI Question Functions ----- function Music() { var ans = prompt("Musical Instrument? (T/F)"); if (ans == "T") { Strings(); } else { Input(); } } function Strings() { var ans = prompt("In Strings section? (T/F)"); if (ans == "T") { Electric(); } else { Metal(); } } function Electric() { var ans = prompt("Uses electricity? (T/F)"); if (ans == "T") { _____(); } else { _____(); } } function Metal() { var ans = prompt("In brass section? (T/F)"); if (ans == "T") { _____(); } else { _____(); } } _____ Input() { var ans = prompt("Computer input? (T/F)"); if (ans == "T") { _____(); } _____ { _____(); } } </pre>	<pre> //Code Continued: function Words() { var ans = prompt("Inputs text? (T/F)"); if (ans == "T") { _____(); } else { _____(); } } _____ Storage() { var ans = prompt("Computer storage? (T/F)"); if (ans == "T") { _____(); } _____ { _____(); } } //Object Functions (Leaves) ----- function Keyboard() { setText("output", "Keyboard"); } _____ DVD() { setText("output", "DVD"); } function Violin() { setText("output", "_____"); } function Guitar() { setText("output", "_____"); } function Drum() { setText("_____", "Drum"); } function Trumpet() { _____("output", "Trumpet"); } function Printer() { setText("output", "_____"); } function Mouse() { setText("output", "_____"); } </pre>
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

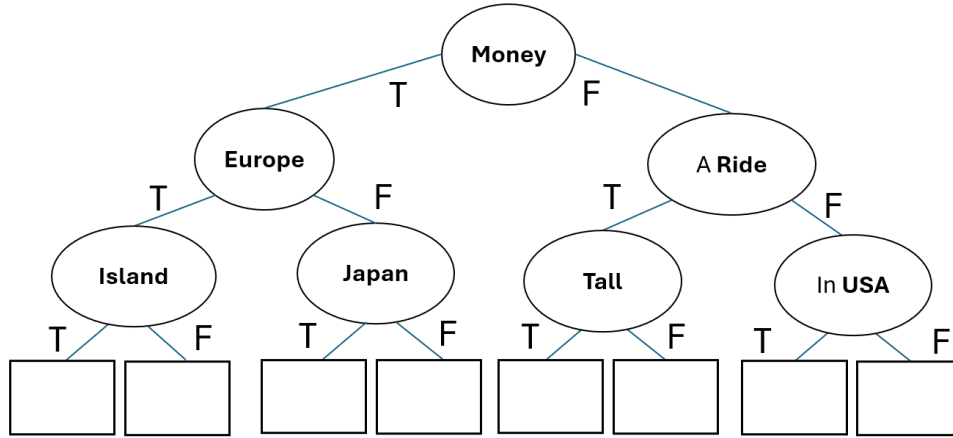


(b) Then, use your binary search tree to fill in the program.

<pre> onEvent("start", "click", function() { _____(); }); //AI Question Functions ----- function Bread() { var ans = prompt("_____?(T/F)"); if (ans == "T") { _____(); } else { _____(); } } function Breakfast() { var ans = prompt("_____?(T/F)"); if (ans == "T") { _____(); } else { _____(); } } function Round() { var ans = prompt("_____?(T/F)"); if (ans == "T") { _____(); } else { _____(); } } function French() { var ans = prompt("_____?(T/F)"); if (ans == "T") { _____(); } else { _____(); } } function Nut() { var ans = prompt("_____?(T/F)"); if (ans == "T") { _____(); } else { _____(); } } </pre>	<pre> //Code Continued: function Tree() { var ans = prompt("_____?(T/F)"); if (ans == "T") { _____(); } else { _____(); } } function Mexico() { var ans = prompt("_____?(T/F)"); if (ans == "T") { _____(); } else { _____(); } } //Food Functions (Leaves) ----- function Pretzel() { setText("output", "_____"); } function Corn() { setText("output", "_____"); } function Coconut() { setText("output", "_____"); } function Kiwi() { setText("output", "_____"); } function Pancake() { setText("output", "_____"); } function Peanut() { setText("output", "_____"); } function Croissant() { setText("output", "_____"); } function Baguette() { setText("output", "_____"); } </pre>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

4. (a) Fill in the blanks to make the program to build the binary search tree.

/10



(b) Then, use your binary search tree to fill in the program.

<pre> onEvent("start", "click", function() { _____(); }); //AI Question Functions ----- function USA() { var ans = prompt("_____?(T/F)"); if (ans == "T") { _____(); } else { _____(); } } function Japan() { var ans = prompt("_____?(T/F)"); if (ans == "T") { _____(); } else { _____(); } } function Europe() { var ans = prompt("_____?(T/F)"); if (ans == "T") { _____(); } else { _____(); } } function Island() { var ans = prompt("_____?(T/F)"); if (ans == "T") { _____(); } else { _____(); } } function Tall() { var ans = prompt("_____?(T/F)"); if (ans == "T") { _____(); } else { _____(); } } </pre>	<pre> //Code Continued: function Money() { var ans = prompt("_____?(T/F)"); if (ans == "T") { _____(); } else { _____(); } } function Ride() { var ans = prompt("_____?(T/F)"); if (ans == "T") { _____(); } else { _____(); } } //Travel Functions (Leaves) ----- _____Euro() { setText("output", "EU Euro"); } function Pound() { _____("output", "British Pound"); } function Yen() { setText("_____", "Japanese Yen"); } function Dollar() { _____("output", "American Dollar"); } function StatueLiberty() { setText("output", "Statue of Liberty")____ } function MtFuji() { setText("_____", "Japan's Mt Fuji"); } _____MerryGoRound() { setText("output", "Merry Go Round"); } function FerrisWheel() { _____("_____", "Ferris Wheel"); } </pre>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------