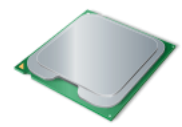
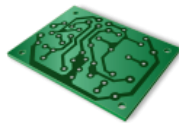
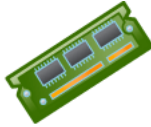
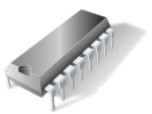


1. Identify each of the following:

/7



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2. Identify the following in each diagram.

/12

Diagram 1:

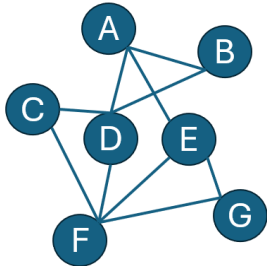
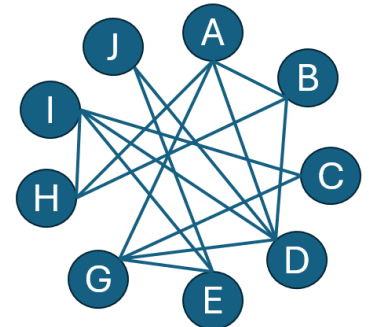


	Diagram 1	Diagram 2
a) #Nodes		
b) #Edges		
c) Degree of Node B		
d) #Nodes with Odd Degrees		
e) #Nodes with Even Degrees		
f) Has an Euler Path? (y/n)		

Diagram 2:



3. Identify the ergonomic issue caused by each clue.

/10

- (a) Using headset at max volume. (b) Holding phone for hours each day. (c) Texting with finger for hours each day. (d) Staring at screens all day without a break. (e) Play games with console for hours.

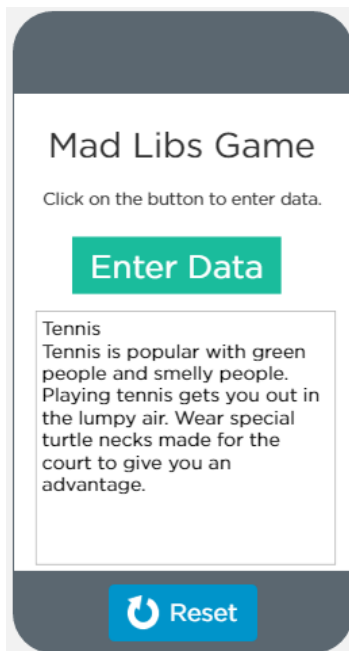
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- (f) Hear a high pitched noise. (g) Using phone until you go to sleep. (h) Your feet have pins and needles feeling. (i) Your spine is bent over and hurts. (j) Typing with bent wrists.

--	--	--	--	--

4. Fill in the blanks in the Mad Libs story after looking at the output below.

/9



Prompts: (answers in italics)

Enter an adjective: <i>green</i>	Enter another adjective: <i>smelly</i>
Enter a plural noun: <i>turtle necks</i>	Enter another adjective: <i>lumpy</i>

Code:

```

onEvent("enter", "click", function(event) {
var adj = prompt ("Enter an _____ : ");
var noun = prompt ("Enter a _____ : ");
var adj2 = prompt ("Enter _____ : ");
var adj3 = prompt ("Enter _____ : ");

var words = "Tennis \n";
words = words + "Tennis is popular with "+ _____ +"
people ";
words = words + "and "+ _____ +" people. Playing tennis ";
words = words + "gets you out in the " + _____ +" air.";
words = words + " Wear special "+ _____ +" made for the ";
words = words + "court to give you an advantage.";
setText("answer", _____ );
});
    
```

5. What is outputted on the screen after each line of code runs? Put one character in each box. /10

```
var a = "cat"; var b = 2; var c = b*b;
```

setText("id", a+" "+b);	<input type="text"/>
setText("id", a+b);	<input type="text"/>
setText("id", "result="+c);	<input type="text"/>
setText("id", b+"x"+b+"="+c);	<input type="text"/>
setText("id", "\$"+b+".00");	<input type="text"/>

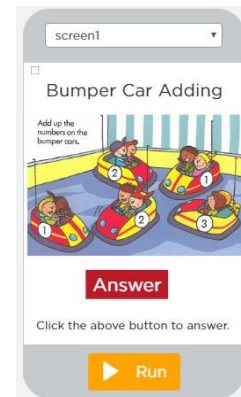
6. What is printed on the screen for each of the following values of n? /12

```
onEvent("enter", "click", function(event) {
  var n = promptNum ("Value? ");
  if (n == 5)
    setText("result", "A");
  else if (n < 7)
    setText("result", "B");
  else if (n >= 3)
    setText("result", "C");
  else
    setText("result", "D");
});
```

n value?	Output	n value?	Output
-1		7	
2		8	
3		9	
4		10	
5		Bob	
6		5.2	

7. Fill in this code. The correct answer is 9. Give a message for "Too High", "Too Low" and "Just Right" /6

```
onEvent("answer", "click", function(event) {
  var _____ = promptNum("What is the total? ");
  if (car == _____) {
    setText("result", "_____");
  } else if (car > _____) {
    setText("result", "_____");
  } else {
    setText("result", "_____");
  }
});
```



8. Fill in the loops to print these patterns. /12

<p>2 4 6 8 10 12 14 16 18</p> <pre>onEvent("button1", "click", function(event) { setText("output", ""); for (var i = _____; i _____; i _____) { setText("output", (getText("output")+" ") + i); } });</pre>	<p>7 8 9 10 11 12 13 14 15 16 17 18 19</p> <pre>onEvent("button2", "click", function(event) { setText("output", ""); for (var i = _____; i _____; i _____) { setText("output", (getText("output")+" ") + i); } });</pre>
<p>15 14 13 12 11 10 9 8 7 6 5 4</p> <pre>onEvent("button3", "click", function(event) { setText("output", ""); for (var i = _____; i _____; i _____) { setText("output", (getText("output")+" ") + i); } });</pre>	<p>a a a a a a a a</p> <pre>onEvent("button4", "click", function(event) { setText("output", ""); for (var i = _____; i _____; i _____) { setText("output", (getText("output")+" _____")); } });</pre>