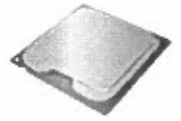
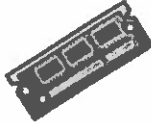


1. Identify each of the following:



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ROM	RAM	Hard Drive	Mother board	Screen	USB Memory Stick	CPU (chip)
-----	-----	------------	--------------	--------	------------------	------------

2. Identify the following in each diagram.

Diagram 1:

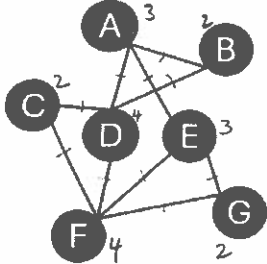
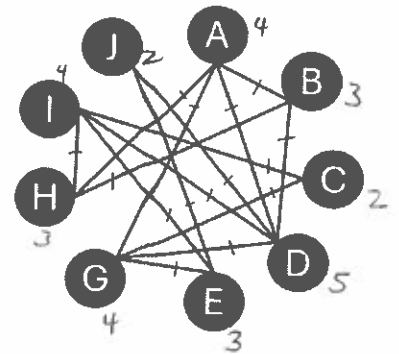


	Diagram 1	Diagram 2
a) #Nodes	7	9
b) #Edges	10	15
c) Degree of Node B	2	3
d) #Nodes with Odd Degrees	2	4
e) #Nodes with Even Degrees	5	5
f) Has an Euler Path? (y/n)	y	n

Diagram 2:



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3. Identify the ergonomic issue caused by each clue.

(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.
Ringling Ears	Smartphone Pinky	Texter's Finger	Eye Strain	Nintendo Thumb
(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.
Ringling Ears	Trouble Sleeping	Numb Legs	Back Strain	Carpal Tunnel

/10

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

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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 adjective : ");
var noun = prompt ("Enter a plural noun : ");
var adj2 = prompt ("Enter another adjective : ");
var adj3 = prompt ("Enter another adjective : ");

var words = "Tennis \n";
words = words + "Tennis is popular with "+ adj +"
people ";
words = words + "and "+ adj2 +" people. Playing tennis ";
words = words + "gets you out in the " + adj3 +" air.";
words = words + " Wear special "+ noun +" made for the ";
words = words + "court to give you an advantage.";
setText("answer", words );
});
    
```

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);	c a + 2				
setText("id", a+b);	c a + 2				
setText("id", "result="+c);	r e s u l t = 4				
setText("id", b+"x"+b+"="+c);	2 x 2 = 4				
setText("id", "\$"+b+".00");	\$ 2 . 0 0				

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

/12

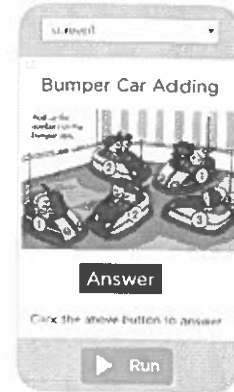
```
onEvent("enter", "click", function(event) {
  var n = promptNum ("Value? ");
  if (n == 5)
    setText("result", "A");
  else if (n < 7)
    setText("result", "B");
  else if (n >= 3)
    setText("result", "C");
  else
    setText("result", "D");
});
```

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

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 car = promptNum("What is the total? ");
  if (car == 9) {
    setText("result", "Just Right");
  } else if (car > 9) {
    setText("result", "Too High");
  } else {
    setText("result", "Too Low");
  }
});
```



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 = <u>2</u>; i <= <u>18</u>; i += <u>2</u>) { 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 = <u>7</u>; i <= <u>19</u>; 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 = <u>15</u>; i >= <u>4</u>; i --) { setText("output", (getText("output")+" "+i); } });</pre>	<p><u>1 2 3 4 5 6 7 8</u> a a a a a a a</p> <pre>onEvent("button4", "click", function(event) { setText("output", ""); for (var i = <u>1</u>; i <= <u>8</u>; i ++) { setText("output", (getText("output")+" <u>9</u>")); } });</pre>