

1. Identify the following.

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(a) 4 security solutions for a low-risk setting (like a home)	(b) 5 security solutions for a medium-risk setting (business)	(c) 1 security solution for an extremely high-risk situation	(d) 3 types of malware.	(e) The names of 3 famous computer viruses.
1	1	1	1	1
2	2		2	2
3	3		3	3
4	4			
	5			

2. Fill in the words that match the descriptions given.

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	a) An attack that would over-whelm a server with fake network traffic..
	b) A type of hacking that has never been used before.
	c) An Ontario hospital that was D-Dosed in 2022.
	d) A hacker who controls a botnet.
	e) The percentage of viruses caught by a scanner.
	f) An attack by a nation-state (country) using malware or hacking.
	g) An attack where a hacker reads packets on a public network.
	h) An attack where a hacker sends an innocent looking message that tricks you into sending log in information or passwords to them.
	i) A term for a company that gathers your data and sells it.
	j) The state of being free from being observed by other people.

3. Look at the following and answer the data miner’s questions.

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PlayerGame

PlayID	GameID
14	1
15	1
12	2
14	2
15	2
14	3

Game

GID	Name	Rating
1	Minecraft	78
2	Pokémon	95
3	Fortnite	84

Player

PID	First	Last
12	Jean	Poole
14	Ella	Vader
15	Jo	King

- a) Which game has the lowest rating?
- b) What is player #14’s last name?
- c) Which game has the most players?
- d) Which player plays the most games?
- e) Does Jean Poole play Minecraft?

(a) What is one positive feature of datamining for gamers?

.....

(b) What is one negative feature of datamining for gamers?

.....

4. Fill in the text variable in the memory diagram.

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```
var b = "banANAS";
```

[0]	[1]	[2]	[3]	[4]	[5]	[6]

Based on the above variable, match the code to its output. Write the letter in the FIRST column.

	0	a) setText("output", b.length);
	6	b) setText("output", b.indexOf("S"));
	7	c) setText("output", b.indexOf("b"));
	b	d) setText("output", b.charAt(1));
	S	e) setText("output", b.toUpperCase());
	ban	f) setText("output", b.toLowerCase());
	ANA	g) setText("output", b.charAt(n.length-1));
	bananas	h) setText("output", b.substring(0, 3));
	BANANAS	i) setText("output", b.substring(3, 6));

5. Fill in the memory diagram. Then, write the code to get each piece of output shown.

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```
var d = "Dragonfruit & Melon";
```

[0]	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]

(a)	Dragon	setText("output",
(b)	fruit	setText("output",
(c)	Melon	setText("output",
(d)	19 //the length	setText("output",
(e)	3 //where g appears	setText("output",
(f)	a	setText("output",
(g)	dragonfruit & melon	setText("output",
(h)	DRAGONFRUIT & MELON	setText("output",
(i)	Melonfruit	setText("output",

6. (a) What are the parts of a loop?

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A	I	L	S	V		
B	T	L	S	C		
C	S	T	R			
D	P	T	T	L	S	C

(b) On the following loop, use the letters from part a to label each circled part.

```

    [ ] [ ] [ ]
for (var i = 5; i < 60; i+=10) { [ ]
    setText("output", (getText("output") + " " + i));
}

```