Name _____ MacID _____ Student#_____

Compsci 1XC3 C01,C03
Quiz3 - L01
(30 min)

1. Read code and answer the questions:

1	`int c = 10;`
	`switch(c)`
	`{`
	`  case 1: c=10;break;`
	`  case 10:c=21;`
	`  case 20:c=60;break;`
	`  case 60:c=100;`
	`  case 100:`
	`  default: c=200;`
	`}`
		Question: what is **c**'s value after the implementation?
		1'
		Answer:

2	`int i = 10;`
	`do`
	`while(i++ <3);`
	`while(i=0);`
	`printf("i=%d\n", i);`
		Question: what is printed to screen?
		1'
		Answer:

3	`int value = 80;`
	
	`if(value >= 50)`
	`if(value >= 90)`
	`printf("very good A+");`
	`else if(value == 0)`
	`printf("did not participate");`
	`else`
	`printf("low score and failed");`
		Question: what is printed to screen?
		1'
		Answer:

4	`int data [5] = {1,2,3};`	Question: what is the value of **`data[4]`**? 1' Answer:
5	`char str [] = {'M', 'c', '\0', 'm', 'a', 's', 't','e','r'};` `printf("%s", str);`	Question: what is printed to screen? 1' Answer:

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2. Write a short c program. In the program, you need to use the **`for`** loop, to count the number of 7 in the input integer. For example, for input 123, return 0; for input 127, return 1; for input 277, return 2.

1	`int count7(unsigned number)`
2	`{`
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	`}`

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Compsci 1XC3 C01,C03
Quiz3 - L02
(30 min)

1. Read code and answer the questions:

1	`int c = 100;`
	`switch(c)`
	`{`
	`  case 1: c=10;break;`
	`  case 10:c=21;`
	`  case 20:c=60;break;`
	`  case 60:c=100;`
	`  case 100:`
	`  default: c=200;`
	`}`
		Question: what is **c**'s value after the implementation?
		1'
		Answer:

2	`int i = 10;`
	`do`
	`while(i++ <3);`
	`while(i=0);`
	`printf("i=%d\n", i);`
		Question: what is printed to screen?
		1'
		Answer:

3	`int value = 60;`
	
	`if(value >= 50)`
	`if(value >= 90)`
	`printf("very good A+");`
	`else if(value == 0)`
	`printf("did not participate");`
	`else`
	`printf("low score and failed");`
		Question: what is printed to screen?
		1'
		Answer:

4	`int data [5] = {3};`	Question: what is the value of **`data[4]`**? 1' Answer:
5	`char str [] = {'J', 'o', 'e', '\0', 'A', 'v', 'g'};` `printf("%s", str);`	Question: what is printed to screen? 1' Answer:

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2. Write a short c program. In the program, you need to use the **`for`** loop, to count the number of 3 in the input integer. For example, for input 123, return 1; for input 127, return 0; for input 337, return 2.

1	`int count3(unsigned number)`
2	`{`
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	`}`

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Compsci 1XC3 C01,C03
Quiz3 - L03
(30 min)

1. Read code and answer the questions:

1	`int c = 60;`
	`switch(c)`
	`{`
	`  case 1: c=10;`
	`  case 10:c=21;`
	`  case 20:c=60;`
	`  case 60:c=100;`
	`  case 100:`
	`  default: c=200;`
	`}`
		Question: what is **c**'s value after the implementation?
		1'
		Answer:

2	`int i = 100;`
	`do`
	`while(i++ <3);`
	`while(i=0);`
	`printf("i=%d\n", i);`
		Question: what is printed to screen?
		1'
		Answer:

3	`int value = 70;`
	
	`if(value >= 50)`
	`if(value >= 90)`
	`printf("very good A+");`
	`else if(value == 0)`
	`printf("did not participate");`
	`else`
	`printf("low score and failed");`
		Question: what is printed to screen?
		1'
		Answer:

4	`int data [5] = {};`	Question: what is the value of **`data[4]`**? 1' Answer:
5	`char str [] = {'A', 'n', 'n', '\0', 'A', 'v', 'g'};` `printf("%s", str);`	Question: what is printed to screen? 1' Answer:

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2. Write a short c program. In the program, you need to use the **`while`** loop, to count the number of 8 in the input integer. For example, for input 123, return 0; for input 128, return 1; for input 388, return 2.

1	`int count8(unsigned number)`
2	`{`
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	`}`

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Compsci 1XC3 C01,C03
Quiz3 - L04
(30 min)

1. Read code and answer the questions:

1	`int c = 1;`
	`switch(c)`
	`{`
	`  case 1: c=10;`
	`  case 10:c=21;`
	`  case 20:c=60;`
	`  case 60:c=100;`
	`  case 100:`
	`  default: c=200;`
	`}`
		Question: what is **c**'s value after the implementation?
		1'
		Answer:

2	`int i = 100;`
	`do;`
	`while(i++ <3);`
	`while(i=0);`
	`printf("i=%d\n", i);`
		Question: what is printed to screen?
		1'
		Answer:

3	`int value = 0;`
	
	`if(value >= 50)`
	`if(value >= 90)`
	`printf("very good A+");`
	`else if(value == 0)`
	`printf("did not participate");`
	`else`
	`printf("low score and failed");`
		Question: what is printed to screen?
		1'
		Answer:

4	`int data [5] = {9};`	Question: what is the value of **`data[4]`**? 1' Answer:
5	`char str [] = {'J', 'a', 'y', '\0', 'A', 'v', 'g'};` `printf("%s", str);`	Question: what is printed to screen? 1' Answer:

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2. Write a short c program. In the program, you need to use the **`while`** loop, to count the number of 9 in the input integer. For example, for input 123, return 0; for input 129, return 1; for input 399, return 2.

1	`int count9(unsigned number)`
2	`{`
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	`}`