

KING SAUD UNIVERSITY
COLLAGE OF COMPUTER AND INFORMATION SCIENCES
INFORMATION TECHNOLOGY DEPARTMENT

CSC111

Quiz#2

First Semester

Q1: What are the outputs of the following code Fragments when executed? (3pts)

```
String s=" ", str="Quiz";
int counter= -1;
while( counter < str.length()){
counter++;
s+= str.charAt(counter);
if( str.charAt(counter) ='i')
break;
if( str.charAt(counter) ='u')
continue;
s+="-"; }
System.out.print(s+","+counter) ;
```

Output:

Q	-	u	i	,	2		
---	---	---	---	---	---	--	--

```
switch(num%5){
case 0:
case 1:num+=2; break;
case 3: num*=2;
default: num--; }
System.out.print(num);
```

Output:

num	output
6	8
4	3
8	15

```
for(int i=1;i<3;i++){
System.out.print('(');
for(int j=i;j<3;j++)
System.out.print(j);
System.out.println(')');}
```

Output:

(1	2)		
(2)			

Q2: rewrite the following using a for loop (3pts)

```
int sum = 0;
int i = 3;
while (i < 100){
sum = sum + (i*i);
i++;
i++; }
```

Solution:

```
int sum = 0;
for (int i=3; i < 100; i+=2){
sum = sum + (i*i);
}
```

Q3: Find and correct errors in the following code segments (2 errors in each): (4pts)

1	int x=8;	int counter=0,sum;
2	if(x%2=0)	while(counter<10){
3	System.out.println("even number");	counter++;
4	System.out.println("as it dividable by 2");	sum+=counter;
5	else	counter=0;
6	System.out.println("odd");	}
Error	In line 2 : if(x%2=0) In line 5 : (else)doesn't have an if	In line 4 : sum+=counter; (not have initial value) In line 5 : counter=0;
Correction	if(x%2==0)Boolean if(x%2==0){System.out.println("even number"); System.out.println("as it dividable by 2");}	In line 4: sum = 0; (assign initial value) In line 5: remove counter=0; because the counter always get the zero.

Good Luck ... Lec.Nourah Al-Angari