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للتسجيل

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لمشاهدة الشرح التجريبي

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ITCS106,113 – Quiz1 Revision

Chapter 2 - Basic Computation

(1) After executing the code, what will be the values of x, y and z?

- (a) x = 2, y = 6, z = -7
- (b) x = 2, y = 5, z = -7
- (c) x = 2, y = 6, z = 3
- (d) x = 2, y = 5, z = 3

```
int x, y, z;  
x = 1;  
y = 5;  
z = 0 - (++x) + y++;
```

(2) Suppose you have the string s="SELECT". What is the return value of s.substring(0, 5)?

- (a) "SELE"
- (b) "ELECT"
- (c) "SELECT"
- (d) "SELEC"

(3) Which of the following is not a method of Scanner class?

- (a) nextByte()
- (b) next()
- (c) nextChar()
- (d) none of the above

(4) Which of the following statements correctly creates a Scanner object for keyboard input?

- (a) Scanner kbd = new Scanner(System.keyboard);
- (b) Scanner keyboard = new Scanner(System.in);
- (c) Scanner keyboard(System.in);
- (d) Keyboard scanner = new Keyboard(System.in);

(5) What is the Java expression for $4a^2 + 2b \times c$?

- (a) $(4 * a) + (2 * b) * c$
- (b) $(4 * a * a) + ((2 * b) * c)$
- (c) $((4 * a * a) + (2 * b)) * c$
- (d) $(4 + a * a) + ((2 + b) * c)$

(6) After executing the code, what will be the output?

- (a) $x = 9, y = 8, z = 17$
- (b) $x = 9, y = 8, z = 16$
- (c) $x = 10, y = 7, z = 17$
- (d) $x = 9, y = 7, z = 16$

```
int x, y, z;
x = 10;
y = 7;
z = (--x) + y++;
System.out.println("x = " + x +
                    ", y = " + y +
                    ", z = " + z);
```

(7) After executing the code, what will be the output?

- (a) $x = 27, y = 3.333, z = 18$
- (b) $x = 27, y = 2, z = 18$
- (c) $x = 37, y = -14, z = 4$
- (d) $x = 27, y = 3, z = 18$

```
int x = 15, y = 20, z = 32;
x += 12;
y /= 6;
z -= 14;
System.out.println("x = " + x +
                    ", y = " + y +
                    ", z = " + z);
```

(8) After executing the code, what will be the output?

- (a) one
- (b) two
- (c) onetwo
- (d) twoone

```
String s1 = "one";
String s2 = s1.concat("two");
```

(9) After executing the code, what will be the output?

- (a) JAVA a ++Java
- (b) JAVA a JAVA++
- (c) JAVA v Java++
- (d) JAVA v ++JAVA

```
String str = "Java";
System.out.print(str.toUpperCase() + " ");
System.out.print(str.charAt(2) + " ");
System.out.print(str.concat("++"));
```

(10) Which of the following statement prints smith\exam1\test.txt ?

- (a) `System.out.println("smith\exam1\test.txt");`
- (b) `System.out.println("smith\\exam1\\test.txt");`
- (c) `System.out.println("smith\"exam1\"test.txt");`
- (d) `System.out.println("smith"\exam1"test.txt");`

(11) The expression `(int)(76.0252175 * 100) / 100` evaluates to

- (a) 76.02
- (b) 76
- (c) 76.025215
- (d) 76.03

(12) Which of the following statements are the same?

- (1) $x -= (x + 4)$
- (2) $x = x + 4 - x$
- (3) $x = x - (x + 4)$

- (a) (1) and (2) are the same
- (b) (1) and (3) are the same
- (c) (2) and (3) are the same
- (d) (1), (2), and (3) are the same

Chapter 3 - Flow of control - Branching

(1) Consider the code on the right□

Which data types are acceptable types for **x**?

- (a) **int** and **float**
- (b) **char** and **double**
- (c) **int**, **short**, and **String**
- (d) **long**, **float** and **double**

```
switch(x) {
    default:
        System.out.println("Hello");
}
```

(2) Consider the code on the right Which of the following is true?

- (a) If **a** is true and **b** is true then the output is "A && B"
- (b) If **a** is true and **b** is false then the output is "notB"
- (c) If **a** is false and **b** is true then the output is "ELSE"
- (d) If **a** is false and **b** is false then the output is "ELSE"

```
// a and b are Boolean variables
if( a )
    System.out.println("A");
else if(a && b)
    System.out.println( "A && B");
else {
    if( !b )
        System.out.println( "notB" );
    else
        System.out.println( "ELSE" );
}
```

(3) After executing the code on the right what is the output?

- (a) Boy
- (b) Man
- (c) Girls
- (d) Woman

```
boolean male = false;
int age = 30;
if( age <= 30 && male)
    if( age < 20 )
        System.out.println("Boy");
    else
        System.out.println("Man");
else
    if( age < 20 )
        System.out.println("Girl");
    else
        System.out.println("Woman");
```

(4) After executing the code on the right what will be the values of a and c?

- (a) a = 10, c = 10
- (b) a = 11, c = 10
- (c) a = 10, c = 11
- (d) a = 11, c = 11

```
int a=10, b=5, c=10;
if (a>b && a<=c)
    a = a + 1;
else
    c = c + 1;
```

(5) What is the output of the following

- (a) I like ITIS103
- (b) I like ITCS222
- (c) I like ITIS103I like ITCS222
- (d) None of these

```
String code = "ITCS222";
if (code.compareTo("ITIS103")<0)
    System.out.println("I like ITIS103");
else
    System.out.println("I like ITCS222");
```

(6) What is the output of the following

- (a) weather
- (b) Rainy
- (c) Sunny
- (d) Error

```
String weather = "Rainy";
if (weather.compareTo("Sunny")>0)
    System.out.print("Rainy");
else
    System.out.print("Sunny");
```