FULL STACK DEVELOPMENT – WORKSHEET 3

Q1. Which one of the following is not a Java feature?
A. Object-oriented
B. Use of pointers
C. Portable
D. Dynamic and Extensible

Ans: B Pointer is not a Java Feature.

Q2. Which of these cannot be used for a variable name in Java?
A. identifier & keyword
B. identifier
C. keyword
D. none of the mentioned

Ans: D None of the mentioned; as Identifier and keywords are Reserved.

Q3.Which of the following is a superclass of every class in Java?
A. ArrayList
B. Abstract class
C. Object class
D. String

Ans: Object Class is Superclass of every class in java.

Q4.Which one is a valid declaration of a boolean?
A. boolean b1 = 1;
B. boolean b2 = 'false';
C. boolean b3 = false;
D. boolean b4 = 'true'

Ans: C. Boolean b3=false;

Q5. Which is the modifier when there is none mentioned explicitly?
A. protected
B. private
C. public
D. default

Ans: D. Default

Q6.All the variables of interface should be?
A. default and final
B. default and static
C. public, static and final
D. protect, static and final

Ans: C. Public, Static and final

Q7.Which of these data types is used to store command line arguments?
A. Array
B. Stack
C. String
D. Integer

Ans: C. String data type is used to store command line arguments

Q8.How many arguments can be passed to main ()?
A. Infinite
B. Only 1
C. System Dependent
D. None of the mentioned

Ans. A. Infinite

Q9.What will be the output of the following Java program, Command line execution is done as – "java Output This is a command Line"?

```
class Output
{
public static void main(String args[])
{
System.out.print(args[0]);
}
}
```

A. java
B. Output
C. This
D. is

Ans. C. This

Q10.What is the value of "d" in the following Java code snippet?

```
double d = Math.round ( 2.5 + Math.random() );
```

A. 2
B. 3
C. 4
D. 2.5

Ans. B. 3 Math.random returns value between 0 and 1, so 2.5+Math.random will lies between 2.5 to 3.5, so it will be rounded to 3.

Q11.Which of these methods is a rounding function of Math class?
A. max()
B. min()
C. abs()
D. all of the mentioned

Ans: D, All of the mentioned are rounding function of Math class

Q12. Standard output variable ‘out’ is defined in which class?
A. Void
B. Process
C. Runtime
D. System

Ans: D. System Class

Q13.What will be the output of the following Java program?

```
class main_class
{
public static void main(String args[])
{
int x = 9;
```

WORKSHEET

```
if (x == 9)
{
int x = 8;
System.out.println(x);
}
}
}
```

A. 9
B. 8
C. Compilation error
D. Runtime error

Ans: B. 8

Q14.Which of these is the method which is executed first before execution of any other thing takes place in a program?
A. main method
B. static method
C. private method
D. finalize method

Ans: B Static Method

Q15.Which of these can be used to differentiate two or more methods having the same name?
A. Parameters data type
B. Number of parameters
C. Return type of method
D. All of the mentioned

Ans: D All of the mentioned

Q16. What will be the output of the following Java program?

```
class Output
{
static void main(String args[])
{
int x , y = 1;
x = 10;
if(x != 10 && x / 0 == 0)
System.out.println(y);
else
System.out.println(++y);
}
}
```

A. 1
B. 2
C. Runtime Error
D. Compilation Error

Ans : B 2 (value of Y will increment and print)

Q17.What will be the output of the following Java program?

```
class area
{
int width;
int length;
int height;
area()
{
width = 5;
length = 6;
height = 1;
}
void volume()
{
volume = width * height * length;
}  }
class cons_method
{
public static void main(String args[])
{
area obj = new area();
obj.volume();
System.out.println(obj.volume);
}
}
```

A. 0
B. 1
C. 25
D. 30

Ans: volume method won't have return type so I think it will not return anything otherwise 30 may be the answer.

Q18. Write Syntax to create/define java methods.

Ans: Access_modifier return_type method_name()
{
Main body of method/content;
Return;
}

Q19. Write a java program following instructions
A. Make a class Addition
a. initialize sum as 0
b. make addTwoInt method taking two int parameters a,b. make sum = a+b.
Return Sum
B. define class as Method Call. Define main method
a. Create object of class Addition
b. call method using instance of object
c. Print sum

```
package com.InternshipFlipRobo;

class Addition {
    int sum=0;
    public int addTwoInt(int x, int y) {
        this.sum=x+y;
        return sum;
    }
}

public class Worksheet3_Q19 {
    public static void main(String[] args) {
        //Creating object of class Addition
        System.out.println("Hello sir, This is my submission code for
worksheet 3 Question 19 ");
        Addition objA= new Addition();

        //Calling the method and Print the object

        System.out.println("The sum of X=12 and Y=34 is " +
objA.addTwoInt(12,34));
    }
}
```

Q20. Write a java program following instructions
A. Define a class Example
a. Define two instance variables number and name
b. Define accessor (getter) methods
c. Define mutator (setter) methods
d. define method printDetails —-> print name and number
B. Define public class Demo (Main Class)
a. Define main method
b. Make Instance/object of example class
c. set number and name using instance created as 123 and Your name.
d. call printDetails method using instance

```java
package com.InternshipFlipRobo;

//creating class
class Example {
    //Defining Variable
    public String name;
    public int number;

//Creating getters and setters

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public int getNumber() {
        return number;
    }

    public void setNumber(int number) {
        this.number = number;
    }

    public void printDetails() {
        System.out.println("My name is: " + this.getName());
        System.out.println("My Number is: " + this.getNumber());
    }
}

public class Worksheet3_Q20 {
    public static void main(String[] args) {
        System.out.println("Hello sir, This is my submission for worksheet
3 Question 20");

        Example objE =new Example();
        objE.setName("Abhishek");
        objE.setNumber(5);

        objE.printDetails();
    }
}
```