FULL STACK DEVELOPMENT – WORKSHEET 3

Q1. Which one of the following is not a Java feature?

Ans: B. Use of pointers

Q2. Which of these cannot be used for a variable name in Java?

Ans: C. keyword

Q3.Which of the following is a superclass of every class in Java?

Ans: C. Object class

Q4.Which one is a valid declaration of a boolean?

Ans: C. boolean b3 = false;

Q5. Which is the modifier when there is none mentioned explicitly?

Ans: D. default

Q6.All the variables of interface should be?

Ans: C. public, static and final

Q7.Which of these data types is used to store command line arguments?

Ans: A. Array

Q8.How many arguments can be passed to main()?

Ans: B. Only 1

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

Ans: A. Java

Q10.What is the value of "d" in the following Java code snippet? double d = Math.round (2.5 + Math.random());

Ans: B. 3

Q11.Which of these methods is a rounding function of Math class?

(Incorrect options)

Ans. None of the above

Q12. Standard output variable ‘out’ is defined in which class?

Ans: D. System

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

Ans: C. Compilation Error

Q14.Which of these is the method which is executed first before execution of any other thing takes place in a program?

Ans: A. main method

Q15.Which of these can be used to differentiate two or more methods having the same name?

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);
}
 }
```

Ans: B. 2

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);
}
}
```

Note: Volume is not declared in the area class, if declared answer would be 30

Ans: Compilation Error

Q18. Write Syntax to create/define java methods.

Ans: access_modifier return_type function_name(parameters_with_type) {

//body of the function

}

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

Ans:

A)

```
class Addition {
   int sum = 0;
   int addTwoInt(int a, int b) {
      sum = a + b;
      return sum;
   }
}
```

B)

```
class Method {
   public static void main(String[] args) {
      Addition addition = new Addition();
      int num1 = 5;
      int num2 = 7;
      int result = addition.addTwoInt(num1, num2);
      System.out.println("Sum of " + num1 + " and " + num2 + " is: " + result);
```

```
    }
}
```

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

Ans:

A)

```
class Example {
        public int number;
        public String name;
        public int getNumber() {
                return number;
        }
        public String getName() {
                return name;
        }
        public void setNumber(int number) {
                this.number = number;
        }
        public void setName(String name) {
                this.name = name;
        }
```

```
	public void printDetails() {
		System.out.println("Name: " + name);
		System.out.println("Number: " + number);
	}
}
```

B)

```
public class Demo {
	public static void main(String[] args) {
		Example e = new Example();
		e.setName("Rishabh");
		e.setNumber(123);
		e.printDetails();
	}
}
```