

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. Use of pointers

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: C. keyword

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

- A. ArrayList
- B. Abstract class
- C. Object class
- D. String

Ans: C. Object class

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

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

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

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

- A. Void
- B. Process
- C. Runtime
- D. System

Ans: D. System

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

```
class main_class {  
    public static void main(String args[]) {  
        int x = 9;  
        if (x == 9) {  
            int x = 8;  
            System.out.println(x);  
        }  
    }  
}
```

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

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?

- 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

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: A. 0

Q18. Write Syntax to create/define java methods.

Ans:

```

Access_modifier return_type method_name(Arguments_if any){
    Body
return return value;    //If return type is mentioned otherwise no need for 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

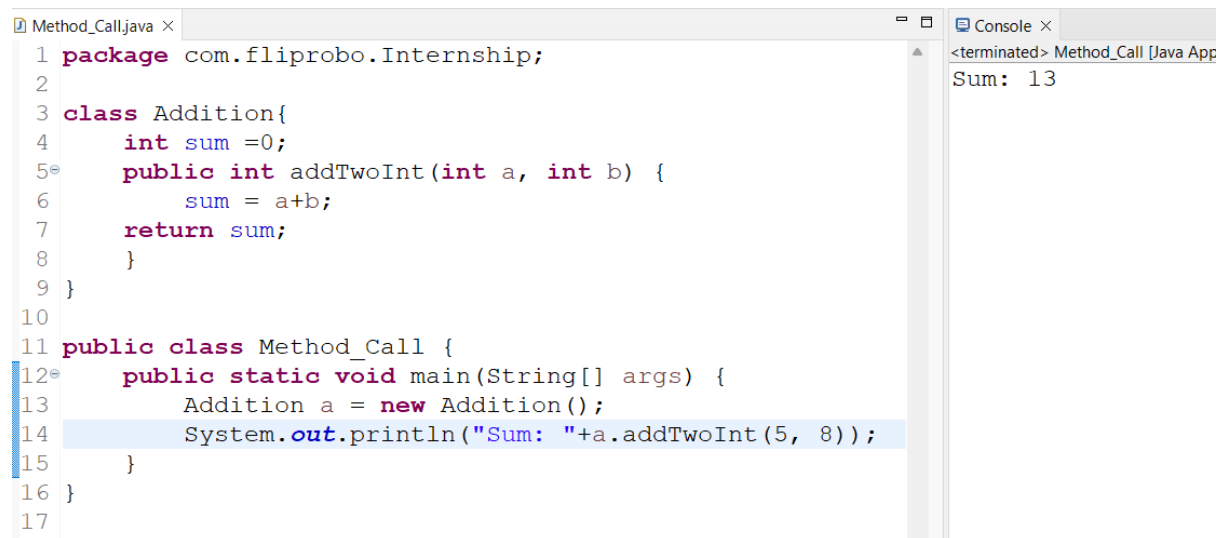
B. define class as Method Call. Define main method

a. Create object of class Addition

b. call method using instance of object

c. Print sum

Ans:



```
1 package com.fliprobo.Internship;
2
3 class Addition{
4     int sum =0;
5     public int addTwoInt(int a, int b) {
6         sum = a+b;
7         return sum;
8     }
9 }
10
11 public class Method_Call {
12     public static void main(String[] args) {
13         Addition a = new Addition();
14         System.out.println("Sum: "+a.addTwoInt(5, 8));
15     }
16 }
17
```

Console ×
<terminated> Method_Call [Java App
Sum: 13

Q20. Write a java program following instructions

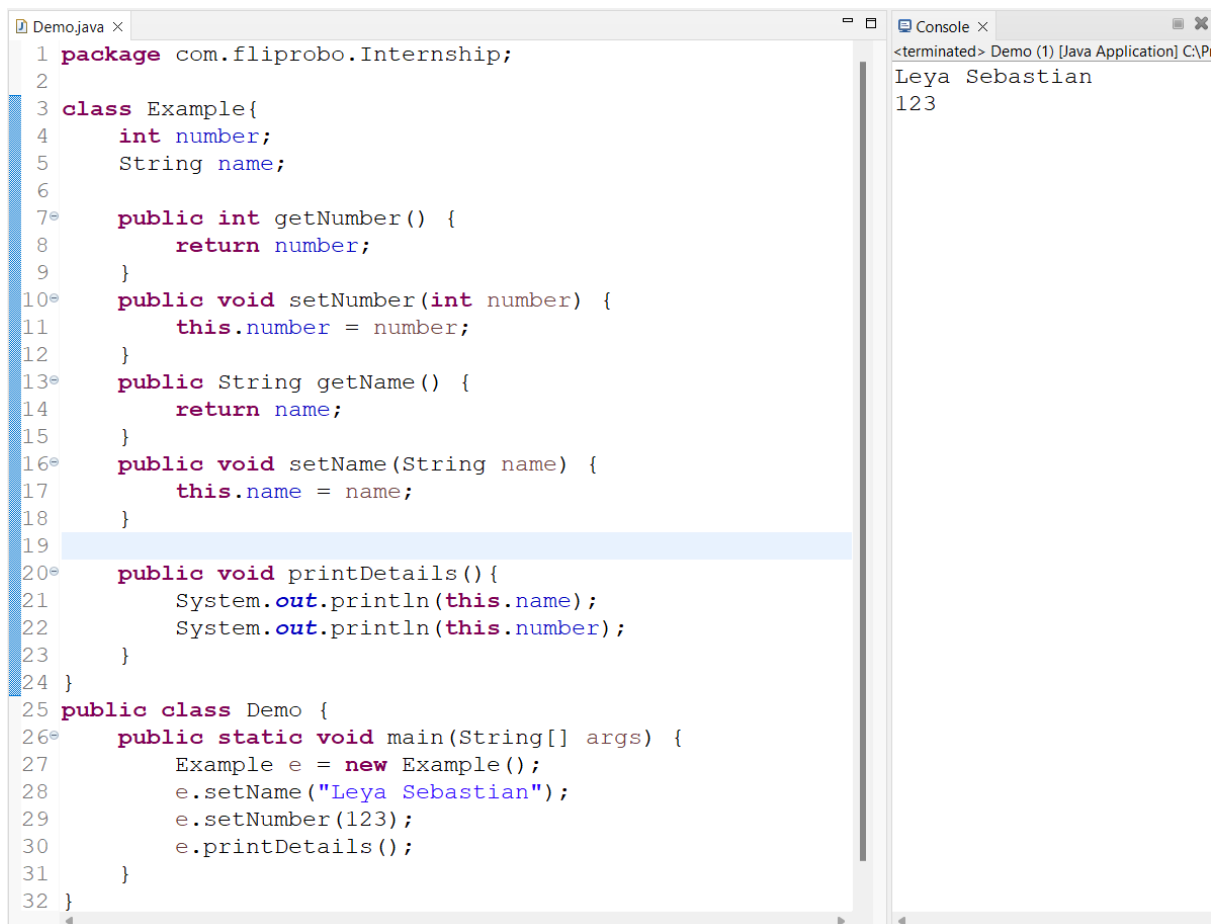
A. Define a class Example

- 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:



```
1 package com.fliprobo.Internship;
2
3 class Example{
4     int number;
5     String name;
6
7     public int getNumber() {
8         return number;
9     }
10    public void setNumber(int number) {
11        this.number = number;
12    }
13    public String getName() {
14        return name;
15    }
16    public void setName(String name) {
17        this.name = name;
18    }
19
20    public void printDetails(){
21        System.out.println(this.name);
22        System.out.println(this.number);
23    }
24 }
25 public class Demo {
26    public static void main(String[] args) {
27        Example e = new Example();
28        e.setName("Leya Sebastian");
29        e.setNumber(123);
30        e.printDetails();
31    }
32 }
```

Console Output:

```
<terminated> Demo (1) [Java Application] C:\P
Leya Sebastian
123
```