

## **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 -** The use of pointers is prohibited in JAVA due to security reasons. **Hence, the correct option is (b).**

**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 -** . Keywords can not be used for naming a user defined variable class, int. **Hence, the correct option is (c).**

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

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

**Ans -** The Object is the super class of every class in Java. **Hence, the correct option is (c).**

**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 -** . boolean b3 = false is a valid declaration of a boolean. **Hence, the correct option is (c).**

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

**A. protected**

**B. private**

**C. public**

**D. default**

**Ans -** Default is a default access modifier in java. **Hence, the correct option is (d).**

**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 -** Variables of an interface are public, static and final as interfaces cannot be instantiated, final ensures the value assigned cannot be changed and public for it to be universally accessible. **Hence, the correct option is (c).**

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

**A. Array**

**B. Stack**

**C. String**

**D. Integer**

**Ans -** String data types are made to be used while storing command line arguments. **Hence, the correct option is (c).**

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

- A. Infinite**
- B. Only 1 WORKSHEET**
- C. System Dependent**
- D. None of the mentioned**

**Ans -** . Infinite number of arguments can be passed to main().Hence, the correct option is (a).

**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 -** This will be the output, as it is present at the 0 position. Hence, the correct option is (c).

**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** - The output will be 3 because while rounding off 2.5, the answer will be 3 no matter what the random value pops out from random method. **Hence, the correct option is (b).**

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

- A. max()
- B. min()
- C. abs()
- D. all of the mentioned

**Ans** - . All mentioned methods are rounding off methods. **Hence, the correct option is (d).**

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

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

**Ans** - Standard output variable 'out' is defined in system class. **Hence, the correct option is (d).**

**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** - The program will throw a compile error because there are two variables with the same name creating ambiguity for compiler. **Hence, the correct option is (c).**

**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** - Static method is executed first before execution of any other thing in a program. **Hence, the correct option is (b).**

**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** - . Return type of method, Number of parameters and Parameters data type all can be used to differentiate two or more methods having same name. **Hence, the correct option is (d).**

**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** - The output will be 2 as x is equal to 10 rendering the if statement to become false. **Hence, the correct option is (b).**

**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** - The output will be 30 by multiplying width, height and length. Hence, the correct option is (d).

**Q18. Write Syntax to create/define java methods?**

