## **OOPS QUESTIONS**

**Question 1**: Print the sum, difference and product of two complex numbers by creating a class named 'Complex' with separate methods for each operation whose real and imaginary parts are entered by the user.

## Question 2: What is the output of the following program?

```
class Automobile {
  protected String drive() {
  public final String drive() {
      final Car car = new ElectricCar();
```

- A. Driving vehicle
- B. Driving electric car
- C. Driving car
- D. The code does not compile

## **Question 3**: Look at the following code and choose the right option for the word:

```
// Shape.java
public class Shape {
    protected void display() {
        System.out.println("Display-base");
    }
}
// Circle.java
public class Circle extends Shape { <
     < access - modifier > void display() {
        System.out.println("Display-derived");
    }
}
```

- a. Only protected can be used.
- B. public and protected both can be used.
- C. public, protected, and private can be used.
- d. Only public can be used.

## Question 4: What is the output of the following program?

```
public BlueCar() {
    System.out.print("5");
    new BlueCar();
```

A. 23451

B. 12354

C. 13245

D. The code does not compile.

Question 5: Read up about basics of exception handling from here: https://www.w3schools.com/java/java\_try\_catch.asp