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Branch: IT

Section: C

Workshop Lab Number: D-203

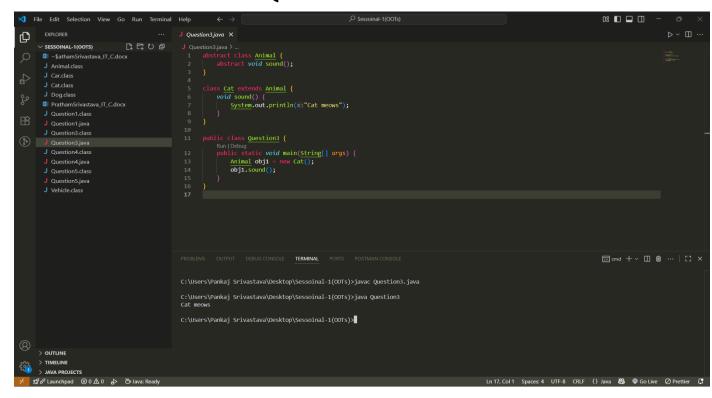
Q1.

```
class <u>Car</u> {
  String model;
  int speed;
  public void display() {
    System.out.println("The mode of the car is: " + model + " with speed: " +
speed);
  }
}
public class Question1 {
  public static void main(String[] args) {
    Car c1 = new Car();
    c1.model = "Honda";
    c1.speed = 45;
    \underline{Car} c2 = new Car();
    c2.model = "Maruti";
    c2.speed = 55;
    c1.display();
    c2.display();
  }
}
```

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```
Q3.
abstract class Animal {
  abstract void sound();
}
class Cat extends Animal {
  void sound() {
    System.out.println("Cat meows");
  }
}
public class Question3 {
  public static void main(String[] args) {
    Animal obj1 = new Cat();
    obj1.sound();
  }
```

}



```
Q4.
class Vehicle {
  public void fuelType() {
    System.out.println("Vehicle uses fuel");
  }
}
class <u>Car</u> extends <u>Vehicle</u> {
  public void numberOfWheels() {
    System.out.println("Car has 4 wheels");
}
public class Question4 {
  public static void main(String[] args) {
    Car v1 = new Car();
    v1.fuelType();
    v1.numberOfWheels();
}
```

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J Car.class
J Cat.class
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                                                              class Vehicle {
   public void fuelType() {
       System.out.println(x:"Vehicle uses fuel");
J Question1.class
J Question1.java
J Question3.class
J Question3.java
                                                             class Car extends Vehicle {
  public void numberOfwheels() {
    System.out.println(x:"Car has 4 wheels");
 J Question4.class
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Cat meows
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Q5.
```

```
class Animal {
  public void sound() {
    System.out.println("Animal makes a sound.");
  }
}
class Dog extends Animal {
  @Override
  public void sound() {
    System.out.println("Dog barks");
  }
}
public class Question5 {
  public static void main(String[] args) {
    Animal a1 = new Animal();
    \underline{\text{Dog}} d1 = \text{new Dog()};
    a1.sound();
    d1.sound();
  }
```

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                                                                 6
7 class Dog extends Animal {
8 @Override
9 public void sound() {
10 System.out.println(x:"Dog barks");
          J Question3.java
         J Question4.java
J Question5.class
                                                             12 }
13 public class Question5 {
    Run | Debug
    public static void main(String[] args) {
        Animal a1 = new Animal();
        Dog d1 = new Dog();
        a1.sound();
        d1.sound();
    }
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