

Q.1

Package Inheritance;

Class Camera{

String brand;

Double cost;

Camera (String brand, double cost){

This.brand=brand;

This.cost=cost;

}

}

Class DigitalCamera extends Camera{

Int memory;

DigitalCamera(String brand,double cost,int memory){

Super(brand,cost);

This.memory=memory;

```
}
```

```
}
```

```
Public class Brand {
```

```
Public static void main(String[] args) {
```

```
DigitalCamera dc=new DigitalCamera("Canon",4500.96,56);
```

```
System.out.println("Brand of camera:"+dc.brand);
```

```
System.out.println("Cost of camera:"+dc.cost);
```

```
System.out.println("Memory of camera:"+dc.memory);
```

```
}}
```

Output:

Brand of camera:Canon

Cost of camera:4500.96

Memory of camera:56

Q.2

Package Inheritance;

Class Vehicle {

String color;

Int manufacturedYear;

Public Vehicle(String color, int manufacturedYear) {

This.color = color;

This.manufacturedYear = manufacturedYear;

}

Public void displayDetails() {

System.out.println("Color: " + color);

System.out.println("Manufactured Year: " + manufacturedYear);

}

}

Class Car extends Vehicle {

Int numberOfDoors;

```
Public Car(String color, int manufacturedYear, int numberOfDoors) {
```

```
    Super(color, manufacturedYear);
```

```
    This.numberOfDoors = numberOfDoors;
```

```
}
```