Name: Vaishali Jadhav

Phone no: 7030674246

Assignment no-06

Q1. Create a Demo Application to understand the role of access modifiers

```
package vaishali;
class Account
{
	private long acc_no;
	private String name, email;
	private float amount;

	public long getAcc_no()
	{
		return acc_no;
	}
	public void setAcc_no(long acc_no)
	{
		this.acc_no = acc_no;
	}
	public String getName()
	{
		return name;
	}
	public void setName(String name)
	{
		this.name = name;
	}
	public String getEmail()
	{
		return email;
	}
	public void setEmail(String email)
	{
		this.email = email;
	}
	public float getAmount()
	{
		return amount;
	}
	public void setAmount(float amount)
	{
		this.amount = amount;
	}
}

public class Assignment6 {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		Account acc = new Account();

		acc.setAcc_no(7030674246L);
		System.out.println("phone number="+acc.getAcc_no());
```

```
		acc.setName("vaishali");
		System.out.println("your name="+acc.getName());

		acc.setEmail("vaishalijadhav@gmail.com");
		System.out.println("your EmailId="+acc.getEmail());
		acc.setAmount(100000f);
		System.out.println("your Amount="+acc.getAmount());

		/*System.out.println(acc.getAcc_no() + " " + acc.getName() + " " +
		acc.getEmail() + " " + acc.getAmount()); */

	}

}
```

Output:

```
phone number=7030674246
your name=vaishali
your EmailId=vaishalijadhav@gmail.com
your Amount=100000.0
```

Q2. Implement multilevel inheritance using different packages

```
class Car
{
	public Car()
	{
		System.out.println("Class Car");
	}
	public void vehicleType()
	{
		System.out.println("Vehicle Type: Car");
	}
}
	class Maruti extends Car
	{
		public Maruti()
		{
			System.out.println("Class Maruti");
		}
		public void brand()
		{
			System.out.println("Brand: Maruti");
		}
		public void speed()
		{
			System.out.println("Max: 90Kmph");
		}
	}

public class Assign6 extends Maruti
{
	public Assign6()
	{
```

```
        System.out.println("Maruti Model: 800");
        }
        public void speed()
        {
        System.out.println("Max: 80Kmph");
        }


        public static void main(String[] args) {
                // TODO Auto-generated method stub
                Assign6 obj=new Assign6();
                obj.vehicleType();
                obj.brand();
                obj.speed();

        }

}
```

Output:

```
Class Car
Class Maruti
Maruti Model: 800
Vehicle Type: Car
Brand: Maruti
Max: 80Kmph
```

Q3. Access/invoke protected members/methods of a class outside the package

```
package panu;

public class A {
        protected void display()
        {
                System.out.println("vaishali jadhav");
        }
}
```

```
package panu1;
import  panu.*;

 class B extends A {

        public static void main(String[] args) {
                // TODO Auto-generated method stub
                B obj = new B();
                obj.display();
        }

}
```

Output:

```
vaishali jadhav
```

Q4. Override finalize method to understand the behavior of jvm garbage collector

```
class A
	{
		int i = 50;
		@Override
		protected void finalize() throws Throwable
		{
			System.out.println("From Finalize Method");
		}
	}
public class Assignm6
{
	public static void main(String[] args) {
		// TODO Auto-generated method stub
		A a1 = new A();
		A a2=new A();
		a1 = a2;
		System.out.println("done");
	}

}
```

Output:

```
done
```