Assignment 05

Aromal S K 22BAI10288

P1

Code:

```
class A {
    int i;
class B extends A {
    int i;
    B(int a, int b) {
        super.i = a;
        i = b;
    }
    void show() {
        System.out.println("i in superclass : " + super.i);
        System.out.println("i in subclass : " + i);
class useSuper {
    public static void main(String[] args) {
        B sub0b = new B(69, 42);
        subOb.show();
```

```
PS F:\Coding\Codes\Java\p1> & 'F
1\bin' 'useSuper'
i in superclass : 69
i in subclass : 42
PS F:\Coding\Codes\Java\p1>
```

```
class Vehicle {
   int speed = 69;
}

class Bike extends Vehicle {
   int speed = 100;
   void display() {
       System.out.println(super.speed);
   }

   public static void main(String[] args) {
       Bike b = new Bike();
       b.display();
   }
}
```

```
PS F:\Coding\Codes\Java\p1>
ding\Codes\Java\p1\bin' 'Bike
69
PS F:\Coding\Codes\Java\p1>
```

```
class A {
    A() {
        System.out.println("Inside A's Constructor ;D ");
    }
}

class B extends A {
    B() {
        System.out.println("Inside B's Constructor ;D");
    }
}

class C extends B {
    C() {
        System.out.println("Inside C's Constructor ;D");
    }
}

class callingCons {
    public static void main(String[] args) {
        C c = new C();
    }
}
```

```
PS F:\Coding\Codes\Java\p1> & '
ding\Codes\Java\p1\bin' 'calling
Inside A's Constructor ;D
Inside B's Constructor ;D
Inside C's Constructor ;D
PS F:\Coding\Codes\Java\p1>
```

```
class Cars {
    void cars() {
        System.out.println("There are many Category of Cars....");
    }
}

class SuperCar extends Cars {
    void supercars() {
        System.out.println("One of those categories is Supercars...");
    }
}

class NissanGTR extends SuperCar {
    void gtr() {
        System.out.println("NISSAN GTR is a Super Car");
    }
}

class TestInheritance {
    public static void main(String[] args) {
        NissanGTR d = new NissanGTR();
        d.cars();
        d.supercars();
        d.gtr();
    }
}
```

```
PS F:\Coding\Codes\Java\p1> & 'F:\Coding\Soding\Codes\Java\p1\bin' 'TestInheritance'
There are many Category of Cars....
One of those categories is Supercars....
NISSAN GTR is a Super Car
PS F:\Coding\Codes\Java\p1>
```

```
class Bank {
    double getRateOfInterest() {
        return 0;
class SBI extends Bank {
    double getRateOfInterest(){
        return 6.9;
    }
class ICICI extends Bank {
    double getRateOfInterest() {
        return 4.2;
class AXIS extends Bank {
    double getRateOfInterest() {
        return 10.6;
class Test {
    public static void main(String[] args) {
        SBI s = new SBI();
        ICICI i = new ICICI();
```

```
AXIS a = new AXIS();
    System.out.println("SBI Rate of Interest: "+s.getRateOfInterest() + "%");
    System.out.println("ICICI Rate of Interest: "+i.getRateOfInterest() +
"%");
    System.out.println("AXIS Rate of Interest: "+a.getRateOfInterest() +
"%");
}
```

```
PS F:\Coding\Codes\Java\p1> & 'F:\
1\bin' 'Test'
SBI Rate of Interest: 6.9%
ICICI Rate of Interest: 4.2%
AXIS Rate of Interest: 10.6%
PS F:\Coding\Codes\Java\p1>
```