HW-Overriding 1_3

Make a class named movies which has the properties as are given below

```
Sample object batman1 of the class movies has the properties as listed below

batman1
Name:Batman 1
Rating: 8
Money Collection: 200,000
Profit: 5000
Lead Actor: John
Lead Actress: Disha
```

All the properties listed above are public.

Inside this make a method named displayRating() which prints the value of instance variable rating in the first line.

And in the second line it prints "This is the function of movies class."

Now make a new class named commercialMovies which inherits the properties of movies class.

Also make a method named displayRating() inside the commercialMovies class, which prints the value of instance variable rating in the first line. And in the second line it prints "This is the function of the commercial movies class."

Now make an object named londonDreams of the class commercialMovies. And assign the values as listed below to this object upon initialization.

```
Name: London Dreams
Rating: 10
Money Collection: 9000000
Profit: 70000000
Lead Actor: "Salman Khan"
Lead Actress:"Asin"
Views:10000
Likes:500
```

Now, you have to make a new class named creativeMovies which inherits the class movies.

Inside this creativeMovies class, make a method named displayRating() which prints the rating of the object in the first line and prints the line "Inside the creativeMovies class" in the next line.

Also, make another object named andhadhun of the class creativeMovies. And assign the values as listed below of this object upon initialization.

```
Name: Andhadhun
Rating: 10
Money Collection: 7000000
Profit: 800000
Lead Actor: "Ayushman Khurana"
Lead Actress:"Disha"
Views:20000
Likes:400
```

Now, first call the method displayRating() for the object londonDreams.

Then, again call the method displayRating() for the object Andhadhun.

Input Format

No input will be given

Constraints

No constraints

Output Format

No output will be given

Solution

Language: Java 8

```
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        commercialMovies londonDreams = new commercialMovies ("London Dreams" , 10, 9000000, 70000000, "Salman Khan",
"Asin" ,10000 ,500);

        creativeMovies andhadhun  = new creativeMovies("Andhadhun",10,70000000, 8000000, "Ayushman Khurana", "Disha",
20000, 400);

        londonDreams.displayRating();
        andhadhun.displayRating();

    }
}

class Movies{
    String name;
    int rating;
    int money;
    int profit;
    String actor;
    String actress;

    public Movies(String name, int rating , int money, int profit, String actor, String actress){
        this.name = name;
        this.rating = rating;
        this.money = money;
        this.profit = profit;
        this.actor = actor;
        this.actress = actress;
    }

    public void displayRating(){
        System.out.println(this.rating);
        System.out.println("This is the function of movies class.");
    }
}

class commercialMovies  extends Movies{
    int views;
    int likes;
   public commercialMovies(String name, int rating , int money, int profit, String actor, String actress, int views, int
likes){
        super( name, rating , money,profit, actor,actress);
        this.views = views;
        this.likes= likes;
    }

    @Override
    public void displayRating(){
        System.out.println(this.rating);
        System.out.println("This is the function of the commercial movies class.");
    }
}

class creativeMovies extends Movies{
     int views;
    int likes;
   public creativeMovies(String name, int rating , int money, int profit, String actor, String actress, int views, int
likes){
        super( name, rating , money,profit, actor,actress);
        this.views = views;
        this.likes= likes;
    }
    @Override
    public void displayRating(){
        System.out.println(this.rating);
        System.out.println("Inside the creativeMovies class");
    }
}
```

HW-Class Objects 2_2

Make a class named influencer which can store the below values.

```
Name: String Type
Total Posts: Int Data Type
Total Reels: Int Data Type
Blue tick: Boolean Data Type
Followers(in millions) : Int Data Type
Following: Int Data Type
Category: String Data Type
Gender: Char Data Type
```

You have to Store the below information of the influencer by using the appropriate variables.

Sample Object of the influencer class looks like this:

```
name: Raftaar
total_posts: 340
total_reels: 400
blue_tick: true
followers(in millions) : 7
following: 200
category: Rapper
gender: M
```

Now using the scanner take the below values of this object.

```
    name,
    total_posts,
    total_reels,
    blue_tick,
    followers(in millions),
    following,
    category,
    gender.
```

Then print all the values of the object, such that each value of each object is printed in one line.

Input Format

Take the inputs as mentioned in the description above.

Constraints

Constraints are according to the data-types mentioned.

Output Format

Print the output as mentioned in the description above.

Submitted Code

Language: Java 8 — Open in editor

```java
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        Infulencers value= new Infulencers(sc.nextLine(), sc.nextInt(),sc.nextInt(),sc.nextBoolean(), sc.nextInt(),sc.nextInt(),sc.next(),sc.next().charAt(0));
        System.out.print(value);
    }
}
class Infulencers{
    String name;
    int tPost;
    int tReels;
    boolean bTick;
    int followers;
    int following;
    String category;
    char gender;

    public Infulencers(String name, int tPost, int tReels, boolean bTick, int followers, int following, String category, char gender){
        this.name= name;
        this.tPost = tPost;
        this.tReels = tReels;
        this.bTick = bTick;
        this.followers = followers;
        this.following = following;
        this.category = category;
        this.gender = gender;
    }

    public  String toString(){
        StringBuilder sb = new StringBuilder();
        sb.append(this.name).append("\n");
        sb.append(this.tPost).append("\n");
        sb.append(this.tReels).append("\n");
        sb.append(this.bTick).append("\n");
        sb.append(this.followers).append("\n");
        sb.append(this.following).append("\n");
        sb.append(this.category).append("\n");
        sb.append(this.gender).append("\n");
        return sb.toString();
    }
}
```

Language: Java 8 — Open

```java
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        Infulencers value= new Infulencers(sc.nextLine(), sc.nextInt(),sc.nextInt(),sc.nextBoolean(), sc.nextInt(),sc.nextInt(),sc.next(),sc.next().charAt(0));

        value.printObj();
    }
}
class Infulencers{
    String name;
    int tPost;
    int tReels;
    boolean bTick;
    int followers;
    int following;
    String category;
    char gender;
```

```java
class Infulencers{
    String name;
    int tPost;
    int tReels;
    boolean bTick;
    int followers;
    int following;
    String category;
    char gender;

    public Infulencers(String name, int tPost, int tReels, boolean bTick, int followers, int following, String category, char gender){
        this.name= name;
        this.tPost = tPost;
        this.tReels = tReels;
        this.bTick = bTick;
        this.followers = followers;
        this.following = following;
        this.category = category;
        this.gender = gender;
    }

    public  void printObj(){
        System.out.println(this.name);
        System.out.println(this.tPost);
        System.out.println(this.tReels);
        System.out.println(this.bTick);
        System.out.println(this.followers);
        System.out.println(this.following);
        System.out.println(this.category);
        System.out.println(this.gender);
    }
}
```