

code

Public Private Property 1_1

```
class Movie {
    public String name;
    public Integer rating;
    public Integer money;
    public Integer profit;
    public String actor;
    public String actress;
    private Integer views;
    private Integer likes;

    public Movie(String name, Integer rating, Integer money, Integer profit, String actor, String actress, Integer
views, Integer likes) {
        this.name = name;
        this.rating = rating;
        this.money = money;
        this.profit = profit;
        this.actor = actor;
        this.actress = actress;
        this.views = views;
        this.likes = likes;
    }

    public void displayViews() {
        System.out.println(views);
    }

    public void displayLikes() {
        System.out.println(likes);
    }
}

public class Solution {

    public static void main(String[] args) {
        Movie superman1 = new Movie("Superman 1", 8, 90000, 1000, "Rachel Gupta and Prince Narula", "Aarushi", 10000, 500);

        System.out.println(superman1.rating);
        System.out.println(superman1.money);
        System.out.println(superman1.profit);
        System.out.println(superman1.actor);
        System.out.println(superman1.actress);

        superman1.displayViews();
        superman1.displayLikes();
    }
}
```

Overriding 1_1

code

```
class Movie {  
    public String name;  
    public Integer rating;  
    public Integer money;  
    public Integer profit;  
    public String actor;  
    public String actress;  
  
    public void displayRating() {  
        System.out.println(rating);  
        System.out.println("This is the function of movies class.");  
    }  
}
```

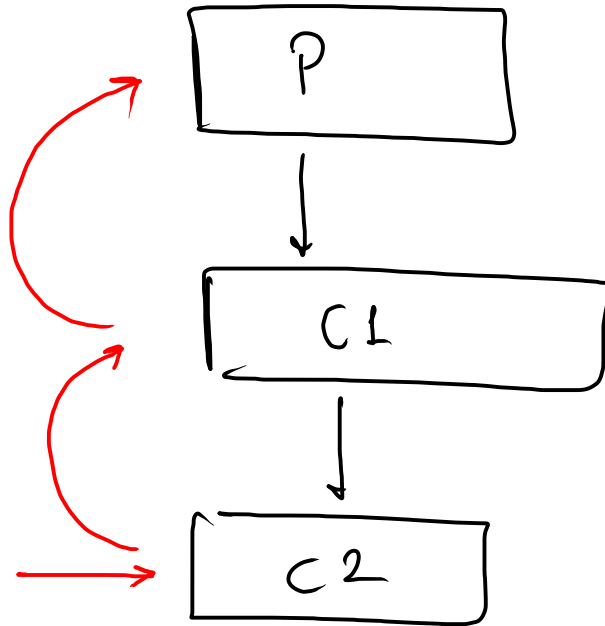
```
class ComercialMovies extends Movie {  
  
}
```

```
public class Solution {  
    public static void main(String[] args) {  
        ComercialMovies londonDreams = new ComercialMovies();  
  
        londonDreams.name = "London Dreams 2";  
        londonDreams.rating = 10;  
        londonDreams.money = 9000;  
        londonDreams.profit = 8850;  
        londonDreams.actor = "Rannvijay Singha, Rachel Gupta, Prince Narula";  
        londonDreams.actress = "Prajakta";  
  
        System.out.println(londonDreams.money);  
        System.out.println(londonDreams.profit);  
        System.out.println(londonDreams.actor);  
  
        londonDreams.displayRating();  
    }  
}
```

accessible
because london dreams
is of Comercial Movie
type and ComercialMovie
is child of Movie

Note:-

Object will always access from
child to parent



obj C2.

Code

Overriding 1_2

```
class Movie {
    public String name;
    public Integer rating;
    public Integer money;
    public Integer profit;
    public String actor;
    public String actress;

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

class ComercialMovies extends Movie {
    public int views;
    public int likes;

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

public class Solution {
    public static void main(String[] args) {
        ComercialMovies londonDreams = new ComercialMovies();

        londonDreams.name = "London Dreams";
        londonDreams.rating = 10;
        londonDreams.money = 9000000;
        londonDreams.profit = 70000000;
        londonDreams.actor = "Salman Khan";
        londonDreams.actress = "Asin";
        londonDreams.views = 10000;
        londonDreams.likes = 500;

        londonDreams.displayRating();
    }
}
```

Constructors 2_1

```
class Influencers {
    String name;
    Integer post;
    Integer reels;
    Boolean bluetick;
    Integer followers;
    Integer following;
    String catagory;
    Character gender;

    Influencers(String name,Integer post, Integer reels,Boolean bluetick,Integer followers,Integer following,String
catagory,Character gender) {
        this.name = name;
        this.post = post;
        this.reels = reels;
        this.bluetick = bluetick;
        this.followers = followers;
        this.following = following;
        this.catagory = catagory;
        this.gender = gender;
    }

    public void display() {
        System.out.println(name);
        System.out.println(post);
        System.out.println(reels);
        System.out.println(bluetick);
        System.out.println(followers);
        System.out.println(following);
        System.out.println(catagory);
        System.out.println(gender);
    }
}

public class Solution {
    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        String name = scn.nextLine();
        Integer posts = scn.nextInt();
        Integer reels = scn.nextInt();
        Boolean bluetick = scn.nextBoolean();
        Integer followers = scn.nextInt();
        Integer following = scn.nextInt();
        scn.nextLine();
        String catagory = scn.nextLine();
        Character gender = scn.next().charAt(0);

        Influencers person = new Influencers(name, posts, reels, bluetick, followers, following, catagory, gender);
        person.display();
    }
}
```

Array of Objects 1_1

```
class Movie {
    // fields
    public String name;
    public int rating;
    public int moneyCollection;
    public int profit;
    public String actor;
    public String actress;

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

public class Solution {

    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int n = scn.nextInt();
        scn.nextLine();
        Movie[] arr = new Movie[n];
        for (int i = 0; i < n; i++) {
            String name = scn.nextLine();
            int rating = scn.nextInt();
            int money = scn.nextInt();
            int profit = scn.nextInt();
            scn.nextLine();
            String actor = scn.nextLine();
            String actress = scn.nextLine();

            arr[i] = new Movie(name, rating, money, profit, actor, actress);
        }

        for (int i = 0; i < n; i++) {
            System.out.println( arr[i].name );
            System.out.println( arr[i].rating );
            System.out.println( arr[i].moneyCollection );
            System.out.println( arr[i].profit );
            System.out.println( arr[i].actor );
            System.out.println( arr[i].actress );
        }
    }
}
```