

3. import java.util.Scanner;
class Actor

```
{  
    int id, no_movies, no_of_years_exp;  
    String name;  
    void accept()  
    {  
        Scanner sc = new Scanner(System.in);  
        System.out.println("Enter the id, name,  
        number of movies and years of experience of  
        the actor");  
        id = sc.nextInt();  
        name = sc.next();  
        no_movies = sc.nextInt();  
        no_of_years_exp = sc.nextInt();  
    }  
}
```

```
3 xxxxx  
double cal()  
{  
    double avg;  
    avg = (double)no_movies/no_of_years_exp;  
    return avg;  
}
```

3
3
class ActorMain

```
{  
    public static void main(String args[])  
    {  
        int n, i, max;  
        Scanner sc = new Scanner(System.in);  
        System.out.println("Enter the number of actors");  
        n = sc.nextInt();  
        double a[] = new double[n];  
        Actor ob[] = new Actor[n];  
        for (i = 0; i < n; i++)  
        {  
            ob[i] = new Actor();  
        }  
    }  
}
```

```

        obj[i].accept();
        a[i] = obj[i].calc();
    }
    max = 0;
    for (i = 0; i < n; i++)
    {
        if (a[i] > a[max])
            max = i;
    }
    System.out.println("The name of the actor  
with the highest average is: " + obj[max].name);
}
}

```

```

import java.util.Scanner;

class Actor
{
    int id, no_movies, no_of_years_exp;
    String name;
    void accept()
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the id, name, number of movies and years of experience of the actor");
        id = sc.nextInt();
        name = sc.next();
        no_movies = sc.nextInt();
        no_of_years_exp = sc.nextInt();
    }
}

```

```
double cal()
{
    double avg;
    avg=(double)no_movies/no_of_years_exp;
    return avg;
}
}

class ActorMain
{
    public static void main(String args[])
    {
        int n,i,max;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the number of actors");
        n=sc.nextInt();
        double a[]=new double[n];
        Actor ob[]=new Actor[n];
        for(i=0;i<n;i++)
        {
            ob[i]=new Actor();
            ob[i].accept();
            a[i]=ob[i].cal();
        }
        max=0;
        for(i=0;i<n;i++)
        {
            if(a[i]>a[max])
                max=i;
        }
    }
}
```

```
        System.out.println("The name of the actor with the highest average is: "+ob[max].name);  
    }  
}
```

```
C:\Users\Adithi\Desktop\java_prgs>java ActorMain  
Enter the number of actors  
3  
Enter the id, name, number of movies and years of experience of the actor  
2341  
Actor1  
7  
4  
Enter the id, name, number of movies and years of experience of the actor  
4839  
Actor2  
4  
5  
Enter the id, name, number of movies and years of experience of the actor  
4694  
Actor3  
3  
3  
The name of the actor with the highest average is: Actor1  
C:\Users\Adithi\Desktop\java_prgs>
```