

```
Week6_3.java x Ip4.java x Week6_4.java x
1 package com.company;
2 import java.util.Scanner;
3 class Actor{
4     Scanner s=new Scanner(System.in);
5     String id,name;
6     int no_of_movies,no_of_years_exp;
7     void accept(){
8         System.out.println("Actor id:");
9         id=s.nextLine();
10        System.out.println("Actor name:");
11        name=s.nextLine();
12        System.out.println("Number of movies:");
13        no_of_movies=s.nextInt();
14        System.out.println("Number of years of experience:");
15        no_of_years_exp=s.nextInt();
16    }
17    float calculate_average_performance(){
18        return (float)(no_of_movies)/no_of_years_exp;
19    }
20 }
21 public class Week6_3 {
22     public static void main(String[] args){
23         Scanner s=new Scanner(System.in);
24         int n,i;
25         String high_average;
26         System.out.println("Enter the number of actors:");
27         n=s.nextInt();
28     }
29 }
```

Run: Inheri2_abstract x Week6_3 x

4: Run | 6: Problems | 7: Terminal | 8: Run

```

24 ▶ public class Week6_3 {
25 ▶     public static void main(String[] args){
26         Scanner s=new Scanner(System.in);
27         int n,i;
28         String high_average;
29         System.out.println("Enter the number of actors:");
30         n=s.nextInt();
31         Actor[] a=new Actor[n];
32         for (i=0;i<n;i++){
33             a[i]=new Actor();
34             System.out.println("Enter the details of actor"+(i+1));
35             a[i].accept();
36         }
37         float max=a[0].calculate_average_performance();
38         high_average=a[0].name;
39         for (i=0;i<n;i++){
40             if (a[i].calculate_average_performance(>max){
41                 max=a[i].calculate_average_performance();
42                 high_average=a[i].name;
43             }
44         }
45         System.out.println("The actor with the highest average performance:"+high_average);

```



```
"C:\Program Files\Java\jdk1.8.0_261\bin\java.exe" ...
```

```
Enter the number of actors:
```

```
2
```

```
Enter the details of actor1
```

```
Actor id:
```

```
12
```

```
Actor name:
```

```
Ranbir
```

```
Number of movies:
```

```
5
```

```
Number of years of experience:
```

```
2
```

```
Enter the details of actor2
```

```
Actor id:
```

```
34
```

```
Actor name:
```

```
Vardaan
```

```
Number of movies:
```

```
2
```

```
Number of years of experience:
```

```
4
```

```
The actor with the highest average performance:Ranbir
```

```
Process finished with exit code 0
```

```
|
```