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2. Question 2

Write a java program to check whether the given string is PALINDROME or not.

For example, a string 'MADAM' should give the output as Palindrome.

Eg 2: For an input 'HELLO', the program output should be 'Not Palindrome'.

1 Sample Input

2 MADAM

Output

Palindrome

Language Java 17 Environment Autocomplete Ready

```
1 import java.io.*;
2 import java.util.*;
3 import java.text.*;
4 import java.math.*;
5 import java.util.regex.*;
6
7 public class Solution {
8     public static void main(String args[]) throws Exception {
9         Scanner sc = new Scanner(System.in);
10        String input = sc.next();
11        if(isPalindrome(input)){
12            System.out.println("Palindrome");
13        }else{
14            System.out.println("Not Palindrome");
15        }
16    }
17    public static boolean isPalindrome(String str){
18        String reversed = new StringBuilder(str).reverse().toString();
19        return str.equals(reversed);
20    }
21 }
```

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BETA

Can't read the text? Switch theme

1. Question 1

ALL

Create a class Amazonprime with the below attributes.



primeld - int

userName - String

subscribedPackage - int

1

showStreaming - String

views- int



The above attributes should be private, write getters, setters and parameterized constructor as required.

Create class Solution with main method.

Implement two static methods -

findRemainingSubscriptionDays and

findDetailsForGivenShow in Solution class.

findRemainingSubscriptionDays method:

This method will take primeld(int parameter) and days (int parameter), along with the array of Amazonprime objects as parameters.

This method will calculate and return the remaining subscription days left for the given



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This method will calculate and return the remaining subscription days left for the given primeld.



The remaining subscription days are the difference between subscribedPackage and days (input parameter).

ALL



If the given primeld is not available in the array of AmazonPrime objects, then the method should return 0.

1

findDetailsForGivenShow method:

This method will take two input parameters - array of Amazonprime objects and String parameter show.

The method will return the Amazonprime object array in an ascending order of their number of views(views) from the array of Amazonprime objects whose showStreaming attribute matches with the input string parameter (show)

If no showStreaming with the given show is present in the array of Amazonprime objects, then the method should return null.

Note : No two Amazonprime object would have the same primeld and views.

All the searches should be case insensitive.



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[hackerrank.com/test/9e2jk658lr3/questions/fcccd4erpdjs](https://www.hackerrank.com/test/9e2jk658lr3/questions/fcccd4erpdjs)

All the searches should be case insensitive.

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The above mentioned static methods should be called from the main method.

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(i)

1

✓

For `findRemainingSubscriptionDays` method -
The main method should print the remaining subscription days as it is if the returned value is greater than 0 or it should print "Its time to recharge your Prime Account".

For `findDetailsForGivenShow` method - The main method should print the `primeld`, `userName` and `views` from the returned `Amazonprime` object array in the same order as received, if the returned value is not null in the below format (concatinated with \$).

`primeld$userName$views`

If the returned value is null then it should print "No such shows available".

Before calling these static methods in main, use `Scanner` object to read the values of four `Amazonprime` objects referring attributes in the above mentioned attribute sequence. Next, read the value for `days`, `primeld` and `show`.

Consider the given example input and output.



Type here to search



primed and show.

37m left

Consider below sample input and output:

Input:

100

April

129

ALL

Suits

30

i

102

Lex

999

1

Greys Anatomy

25

103

✓

Alex

999

Greys Anatomy

5

104

Mark

999

Suits

40

19

100

Greys Anatomy

Output:

110

103\$Alex\$5

37m left

100

Greys Anatomy

Output:

110

ALL

103\$Alex\$5

102\$Lex\$25

Sample code snippet for reference:
Please use below code to build your solution.

1

```
import java.util.Scanner;
public class Solution
{
    public static void main(String[] args)
    {
        //code to read values
        //code to call required method
        //code to display the result
    }
    public static int
    findRemainingSubscriptionDays(Amazonprime[]
        prime, int days, int primeld)
    {
        //method logic
    }
    public static Amazonprime[]
    findDetailsForGivenShow(Amazonprime[]
        prime, String show)
```



Type here to search



```
import java.util.*;
import java.util.Scanner;
public class Solution{
    public static void main(String[] args){
        Scanner sc = new Scanner(System.in);
        Amazonprime[] prime = new Amazonprime[4];
        for (int i = 0; i < prime.length; i++) {
            int a = sc.nextInt(); sc.nextLine();
            String b = sc.nextLine();
            int c= sc.nextInt(); sc.nextLine();
            String d = sc.nextLine();
            int e = sc.nextInt(); sc.nextLine();
            prime[i] = new Amazonprime(a, b, c, d, e);
        }
        int days = sc.nextInt(); sc.nextLine();
        int primeId = sc.nextInt(); sc.nextLine();
        String show = sc.nextLine();
        sc.close();

        int obj1 = findRemainingSubscriptionDays(prime, days, primeId);
        if(obj1 > 0){
            System.out.println(obj1);
        }else{
            System.out.println("Its time to recharge your Prime Account");
        }
        int[] obj2 = findDetailsForGivenShow(prime, show);
    }
}
```



language: Java 7

① Environment

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```
16
17     int[] obj2 = findDetailsForGivenShow(prime, show);
18     if(obj2 != null){
19         for(int i = 0; i < obj2.length; i++){
20             for(int j = 0; j < prime.length; j++){
21                 if(obj2[i] == prime[j].getViews()){
22                     System.out.println(prime[j].getPrimeId() + "$" + prime[j].
23                     getUserName() + "$" + prime[j].getViews());
24                 }
25             }
26         }
27     } else{
28         System.out.println("No such shows available");
29     }
30 }
31
32
33
34
35
36
37 } else{
38     System.out.println("No such shows available");
39 }
40
41 }
42
43 public static int findRemainingSubscriptionDays(Amazonprime[] prime, int days, int
44 primeId){
45     for (int i = 0; i < prime.length; i++) {
46         if(prime[i].getPrimeId() == primeId){
47             int left = prime[i].getSubscribedPackage() - days;
48             return left;
49         }
50     }
51 }
```

Line: 39 Col

Test Results

Custom Input

Run Code

Run Tests

2 new notifications



11:01 AM
5/13/2024

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nguage: Java 7

① Environment

Autocomplete Ready



```
9     }return 0;
0   }
11  ✓ public static int[] findDetailsForGivenShow(Amazonprime[] prime, String show){
12      int[] refined = new int[0];
13      for (int i = 0; i < prime.length; i++) {
14          if(prime[i].getShowStreaming().equalsIgnoreCase(show)){
15              refined = Arrays.copyOf(refined, refined.length+1);
16              refined[refined.length-1] = prime[i].getViews();
17          }
18      }
19      Arrays.sort(refined);
20      if(refined.length > 0){
21          return refined;
22      }else{
23          return null;
24      }
25  }
26  }
27  class Amazonprime{
28      int primeId;
29      String userName;
30      int subscribedPackage;
31      String showStreaming;
32      int views;
33  ✓ public Amazonprime(int primeId, String userName, int subscribedPackage, String
34      showStreaming, int views){
35      this.primeId=primeId;
```

Line: 39 Col:

Test Results

Custom Input

Run Code

Run Tests

Monday, May 13, 2024

11:01 AM

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Language: Java 7

Environment

Autocomplete Loading...



```
    showStreaming;
    int views;
    public Amazonprime(int primeId, String userName, int subscribedPackage, String
showStreaming, int views){
        this.primeId=primeId;
        this.userName=userName;
        this.subscribedPackage=subscribedPackage;
        this.showStreaming=showStreaming;
        this.views=views;
    }
    public int getPrimeId(){
        return primeId;
    }
    public void setPrimeId(int primeId){
        this.primeId=primeId;
    }
    public String getUserName(){
        return userName;
    }
    public void setUserName(String userName){
        this.userName=userName;
    }
    public int getSubscribedPackage(){
        return subscribedPackage;
    }
    public void setSubscribedPackage(int subscribedPackage){
        this.subscribedPackage=subscribedPackage;
    }
```

Line: 39 Col:

Test Results

Custom Input

Run Code

Run Tests

Submit