

Day 37 : Write a Program to calculate the Frequency of characters in a string

Description: Get a string as the input from the user and find the frequency of characters in the string.

Code :

```
public class Day_37 {
    static char[] distincChar;
    public static void main(String args[]) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter a string : ");
        String str = sc.next();
        char allCharInStr[] = str.toCharArray();
        int l = str.length();
        distincChar = new char[l];
        int j = 0;
        int k=0;
        for (char c : allCharInStr) {
            j += 1;
            int freq=1;
            if (!isPresent(c)) {
                for(int i=j;i<l;i++)
                {
                    if(c==allCharInStr[i])
                    {
                        freq+=1;
                    }
                }
                System.out.println("Frequency for "+c+" is "+freq);
            }
            distincChar[k]=c;
            k++;
        }
    }
    public static boolean isPresent(char c) {
        for (int i = 0; i < distincChar.length; i++) {
            if (c == distincChar[i]) {
                return true;
            }
        }
        return false;    }}
}
```

Output:

```
C:\Users\DELL\Talent-Battle-100-Days-Coding-Series\Day_37\Java>java Day_37
Enter a string: Hello
Frequencies:
H - 1
e - 1
l - 2
o - 1

C:\Users\DELL\Talent-Battle-100-Days-Coding-Series\Day_37\Java>java Day_37
Enter a string: program
Frequencies:
p - 1
r - 2
o - 1
g - 1
a - 1
m - 1

C:\Users\DELL\Talent-Battle-100-Days-Coding-Series\Day_37\Java>java Day_37
Enter a string: character
Frequencies:
c - 2
h - 1
a - 2
r - 2
t - 1
e - 1

C:\Users\DELL\Talent-Battle-100-Days-Coding-Series\Day_37\Java>
```