

Practical - 1

Aim: Write a Program to find the frequency count of symbols of given message.

Program :

```
package new_package;

import java.util.*;
import java.io.*;

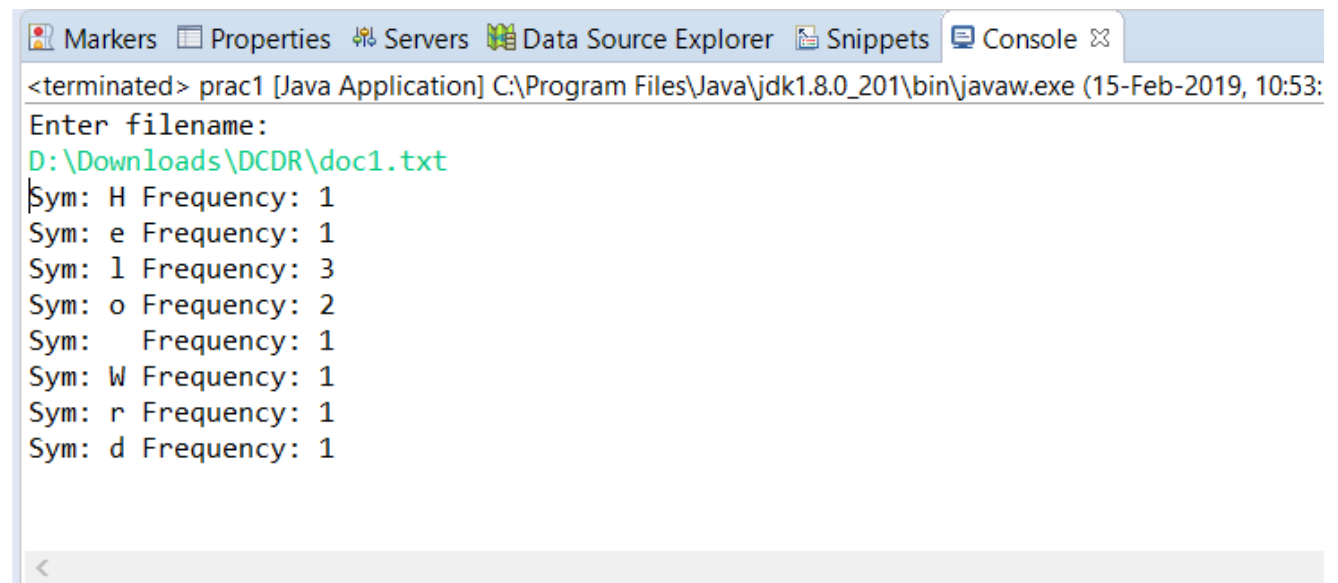
public class prac1 {

    public static void main(String args[]) throws IOException{

        char a[]=new char[26];
        int b[]=new int[26];
        for(int i=0;i<26;i++){
            a[i]='0';
            b[i]=0;
        }

        Scanner s1=new Scanner(System.in);
        System.out.println("Enter filename: ");
        String s2=s1.nextLine();
        FileInputStream i1=new FileInputStream(s2);
        int j=0;
        int c;
        while((c=i1.read())!=-1){
            int p=0;
            while(a[p]!='0'){
                if(a[p] == (char)c){
                    b[p]++;
                    break;
                }
                p++;
            }
        }
    }
}
```

```
    }  
    if(a[p] == '0'){  
        a[p]=(char)c;  
        b[j]=1;  
        j++;  
    }  
}  
for(int i=0;a[i]!='0';i++){  
    System.out.println("Sym: "+a[i]+" Frequency: "+b[i]);  
}  
}  
}
```

Output:

```
<terminated> prac1 [Java Application] C:\Program Files\Java\jdk1.8.0_201\bin\javaw.exe (15-Feb-2019, 10:53:  
Enter filename:  
D:\Downloads\DCDR\doc1.txt  
Sym: H Frequency: 1  
Sym: e Frequency: 1  
Sym: l Frequency: 3  
Sym: o Frequency: 2  
Sym:   Frequency: 1  
Sym: W Frequency: 1  
Sym: r Frequency: 1  
Sym: d Frequency: 1
```