Case Study -1

Code:

**package** com.iaCasestudy;

**import** java.util.Scanner;

**public** **class** CountLettersInArray {

**int** MAX\_CHAR = 256;

**static** String *str* ="";

**static** **int** *n*;

**static** **char**[] *arr* = **new** **char**[*n*];

**public** **void** createArray() {

Scanner sc= **new** Scanner(System.***in***);

System.***out***.print("Enter a string: ");

*arr*=sc.next().toCharArray();

}

**public** **void** display(**char**[] arr,**int** n) {

System.***out***.println("Display Array....");

**for**(**int** i=0;i<arr.length;i++) {

System.***out***.println(arr[i]);

*str*=*str*+arr[i]+"";

}

//System.out.println(str);

}

**public** **void** displayCount(String st) {

System.***out***.println("Frequency Counting......");

//int w=0;

**int** count[] = **new** **int**[MAX\_CHAR];

**for** (**int** i = 0; i < st.length(); i++) {

count[st.charAt(i)]++;

}

**char** ch[] = **new** **char**[st.length()];

**for** (**int** i = 0; i < st.length(); i++) {

ch[i] = st.charAt(i);

**int** res = 0;

**for** (**int** j = 0; j <= i; j++) {

**if** (st.charAt(i) == ch[j])

res++;

}

**if**(res==1)

System.***out***.println("Occurrence of "+ st.charAt(i)+ "-" + count[st.charAt(i)]);

}

}

**public** **static** **void** main(String[] args) {

CountLettersInArray ca=**new** CountLettersInArray();

ca.createArray();

ca.display(*arr*,*n*);

ca.displayCount(*str*);

}

}

Output:

Enter a string: niharika

Display Array....

n

i

h

a

r

i

k

a

Frequency Counting......

Occurrence of n-1

Occurrence of i-2

Occurrence of h-1

Occurrence of a-2

Occurrence of r-1

Occurrence of k-1