Case Study -1

**package** com.iaCasestudy;

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

**int** MAX\_CHAR = 256;

String str = "";

**public** **void** createArray(String std) {

System.***out***.println("Array Created:");

String s="Hello i am Niharika Saini Poornima College of Engineering Jaipur Rajasthan";

s=s.replaceAll("\\s", "");

**char**[] c=s.toCharArray();

**for**(**char** ch:c) {

str=str+ch+" ";

//System.out.println(str);

}

System.***out***.println(str+"");

}

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

//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.str);

ca.displayCount(ca.str);

}

}

Output:

Array Created:

H e l l o i a m N i h a r i k a S a i n i P o o r n i m a C o l l e g e o f E n g i n e e r i n g J a i p u r R a j a s t h a n

Occurrence of H-1

Occurrence of -64

Occurrence of e-5

Occurrence of l-4

Occurrence of o-5

Occurrence of i-9

Occurrence of a-9

Occurrence of m-2

Occurrence of N-1

Occurrence of h-2

Occurrence of r-4

Occurrence of k-1

Occurrence of S-1

Occurrence of n-6

Occurrence of P-1

Occurrence of C-1

Occurrence of g-3

Occurrence of f-1

Occurrence of E-1

Occurrence of J-1

Occurrence of p-1

Occurrence of u-1

Occurrence of R-1

Occurrence of j-1

Occurrence of s-1

Occurrence of t-1