1. Take a string input and find out the frequency of characters..

Example: aaabb33cddd

a occurred 3 times

b occurred 2 times

c occurred 1 times

d occurred 3 times

3 occurred 2 times

**Solution:**

#include<stdio.h>

int main()

{

char a[100];

int i,j,lena=0;

gets(a);

while(a[lena]!='\0')

{

lena++;

}

for(i=0;i<lena;i++)

{ int cnt=0;

for(j=0;j<lena;j++)

{

if(a[i]==a[j])

{

cnt++;

if(i>j)

{

break;

}

}

}

if(i<j)

printf("%c %d\n",a[i],cnt);

}

return 0;

}

1. Take two string and find out whether the second string is a

SUBSTRING of the first string or not.

**Solution:**

#include<stdio.h>

void main()

{

char str[80], search[10];

int count1 = 0, count2 = 0, i, j, flag;

printf("Enter a string:");

gets(str);

printf("Enter search substring:");

gets(search);

while (str[count1] != '\0')

count1++;

while (search[count2] != '\0')

count2++;

for (i = 0; i <= count1 - count2; i++)

{

for (j = i; j < i + count2; j++)

{

flag = 1;

if (str[j] != search[j - i])

{

flag = 0;

break;

}

}

if (flag == 1)

break;

}

if (flag == 1)

printf("Found!!!");

else

printf("Not Found!!!");

}