#include <stdio.h>

#define MAX\_SIZE 100 // Maximum string size

#define MAX\_CHARS 255 // Maximum characters allowed

int main()

{

char str[MAX\_SIZE];

int freq[MAX\_CHARS]; // Store frequency of each character

int i = 0, max;

int ascii;

printf("Enter any string: ");

gets(str);

/\* Initializes frequency of all characters to 0 \*/

for(i=0; i<MAX\_CHARS; i++)

{

freq[i] = 0;

}

/\* Finds frequency of each characters \*/

i=0;

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

{

ascii = (int)str[i];

freq[ascii] += 1;

i++;

}

/\* Finds maximum frequency \*/

max = 0;

for(i=0; i<MAX\_CHARS; i++)

{

if(freq[i] > freq[max])

max = i;

}

printf("Maximum occurring character is '%c' = %d times.", max, freq[max]);

return 0;

}

output:

Enter any string: I love Codeforwin

I love Codeforwin

Maximum occurring character is 'o' = 3 times.