17 July

**C Program to print the highest occurring character in a string.**

#include<stdio.h>

#include<string.h>

#define ASCII\_SIZE 256

char getMaxOccuringChar(char\* str)

{

// Create array to keep the count of individual

// characters and initialize the array as 0

int count[ASCII\_SIZE] = {0};

// Construct character count array from the input

// string.

int len = strlen(str);

int max = 0; // Initialize max count

char result; // Initialize result

// Traversing through the string and maintaining

// the count of each character

for (int i = 0; i < len; i++) {

count[str[i]]++;

if (max < count[str[i]]) {

max = count[str[i]];

result = str[i];

}

}

return result;

}

// Driver program to test the above function

int main()

{

char str[] = "sample string";

printf("Enter the string: ");

gets(str);

printf("Max occurring character is %c", getMaxOccuringChar(str));

}