//Write a C program to check whether a character is vowel or consonant.

Answer : 1

#include<stdio.h>

int main()

{

char x;

printf("Enter a letter : \n");

scanf("%c",&x);

if(x=='a' || x=='e'|| x=='i'|| x=='o'||x=='u')

{

printf("Small letter Vowel");

}

else if(x=='A' || x=='E'|| x=='I'|| x=='O'||x=='U')

{

printf("Capital letter Vowel");

}

else

{

printf("Consonent");

}

}

//Write a C program to convert a string in upper case

Answer : 2

#include<stdio.h>

#include<string.h>

int main()

{

char s[100];

int i;

printf("Enter a sentence : \n");

gets(s);

for(i=0;s[i]!='\0';i++)

{

if(s[i] >= 'a' && s[i] <= 'z')

{

s[i] = s[i] - 32;

}

}

printf("Converted sentence in upper case \n%s",s);

}

//Write a C program to convert a string in lower case

Answer : 3

#include<stdio.h>

#include<string.h>

int main()

{

char s[100];

int i;

printf("Enter a sentence : \n");

gets(s);

for(i=0;s[i]!='\0';i++)

{

if(s[i] >= 'A' && s[i] <= 'Z')

{

s[i] = s[i] + 32;

}

}

printf("Converted sentence in lower case \n%s",s);

}

//Write a C program to count vowel, consonant, space and digit from a given string

Answer : 4

#include<stdio.h>

#include<string.h>

int main()

{

char s[100];

int i,vowel=0,consonent=0,space=0,digit=0;

printf("Enter the sentence : \n");

gets(s);

for(i=0; s[i] != '\0';i++)

{

if(s[i] == 'a' ||s[i] == 'e' ||s[i] == 'i' ||s[i] == 'o' ||s[i] == 'u' ||s[i] == 'A' ||s[i] == 'E' ||s[i] == 'I' ||s[i] == 'O' ||s[i] == 'U' )

{

vowel=vowel+1;

}

else if(s[i] >= 'a' && s[i] <= 'z' || s[i] >= 'A' && s[i] <= 'Z')

{

consonent=consonent+1;

}

else if(s[i] == ' ')

{

space=space+1;

}

else if(s[i] >= '0' && s[i] <= '9' )

{

digit=digit+1;

}

}

printf("\n\n\nVowel = %d \nConsonent = %d \nSpace = %d \nDigit = %d",vowel,consonent,space,digit);

}