

Assignment - 17

- ③ Write a program to calculate the length of the string. (without using built-in method)

Ans #include <stdio.h>
#include <string.h>

```
int main()
{
    char ch;
    int i = 0;
    printf("Enter a string");
    scanf("%s", &ch);
    for (i = 0; &ch[i]; i++);
    printf("%d", i);
    printf("Length of String %d", i);
    return 0;
}
```

Output: Enter the string: Random

length of string 6



Date _____

(2) Write a program to count the occurrence of a given character in a given String.

Ans

```
#include <stdio.h>
#include<string.h>
int main()
{
    int i, count=0;
    char str[40];
    printf("Enter the string:");
    scanf("%s", str);
    for(i=0; str[i]; i++)
    {
        if(str[i] == 'o')
            count++;
    }
    printf("Count of the occurrence is %d", count);
}
```

Output: Enter the String: Dol

Count of the occurrence is 4



Scanned with OKEN Scanner

Q3 write a program to count vowel in a given string.

```
#include <string.h>
Ans #include <stdio.h>
int main()
{
    char ch[50];
    int i, count=0;
    printf("Enter the string:");
    gets(ch);
    for(i=0; ch[i] != '\0'; i++)
    {
        if(ch[i] == 'A' || ch[i] == 'E' || ch[i] == 'I' ||
           ch[i] == 'O' || ch[i] == 'U' || ch[i] == 'a' || ch[i] == 'e' ||
           ch[i] == 'i' || ch[i] == 'o' || ch[i] == 'u')
            count++;
    }
    printf("Vowel count is %d", count);
    return 0;
}
```

Output: Enter the string: Rambo

Vowel count is 2

Q. Write a program to convert a given string into upper case.

Ans

```
#include <stdio.h>
#include <string.h>
int main()
{
    char ch[40];
    int i;
    printf("Enter the string lower:");
    fgets(ch, 40, stdin);
    for(i=0; ch[i]; i++)
    {
        if ((ch[i] >='a' || ch[i] <='z'))
            ch[i] = ch[i] - 32;
    }
    printf("\n%s", ch);
}
```

Output : Enter the string lower

RANJAN

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write a program to convert a give string into lower case.

```
#include <stdio.h>
#include <String.h>

int main()
{
    char ch[40];
    int i;
    printf("Enter the String");
    gets(ch);
    for(i=0; ch[i]; i++)
    {
        if(ch>='A' || ch<='Z')
            ch = ch + 32;
    }
    printf("%s", ch);
    return 0;
}
```

Output: Enter the String
RANGJAN
=Ranjjan

(4) Write a program to convert given string into uppercase.

Ans #include <stdio.h>
#include <string.h>

int main()

{

char ch[40];

int i;

printf("Enter the String");

scanf("%s", ch);

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

Stoops (ch);

printf("The String is %s", ch);

}

~~Output:~~ Enter the String

Re�amJai

Re�amJai





⑤ Write a program to convert a given string into lowercase.

Ans #include < stdio.h >
#include < string.h >

int main()

{

char ch[40];

printf("Enter string ");

scanf("%s", ch);

fgets (ch, 40, stdin);

(No) error

strlwr(ch);

printf ("%.s", ch);

only 2nd method is true

φ

Output Enter the string : RANJAN

ranjan



⑦ write a function to calculate length of the string.

Ans #include <stdio.h>

```
#include <string.h>
int main()
{
```

```
    char ch[40]
```

```
    printf("Enter the String");
```

```
    scanf("%s", ch);
```

```
    len(ch);
```

}

```
void len(char ch)
```

{

```
    int i, L=0;
```

```
    for(i=0; i<=c[i]; i++)
```

{

```
    L++;
```

}

```
    printf("Length = %d", L);
```

}