

## TUT 5

Q1

```
#include<stdio.h>

int main()
{
    printf("Aaryan Sharma\n");
    printf("16010123012\n");
    char s1[50],s2[50];
    printf("Enter s1 : ");
    scanf("%s",&s1);
    printf("Enter s2 : ");
    scanf("%s",&s2);

    printf("\nString concation : %s",strcat(s1,s2));
    printf("\nString length : %d",strlen(s1));
    printf("\nString length : %d",strlen(s2));
    printf("\nString compare : %d",strcmp(s1,s2));
    printf("\nString compare in n : %d",strncmp(s1,s2,4));
    printf("\nString character : %s",strchr(s1,'S'));
    printf("\nRCHR : %s",strrchr(s1,'H'));
    printf("\nString in string : %s",strstr(s1,s2));
    printf("\nString Copy : %s",strcpy(s1,s2));
    printf("\nString Copy for n : %s",strncpy(s1,s2,5));
    printf("\nLowerCase : %s",strlwr(s1));
    printf("\nUpperCase : %s",strupr(s2));
    printf("\nCMPI : %d",strcmpi(s1,s2));
    printf("\nNICMP : %d",strnicmp(s1,s2,6));
    printf("\nSET : %s",strset(s1,'*'));
    printf("\nSET for n : %s",strnset(s1,'*',5));
    printf("\nReverse : %s",strrev(s1));

    return 0;
}
```

```

Aaryan Sharma
16010123012
Enter s1 : HeLlloGuyss
Enter s2 : WelcomeTomiChaNnela

String concation : HeLlloGuyssWelcomeTomiChaNnela
String length : 29
String length : 19
String compare : -1
String compare in n : -1
String character : (null)
RCHR : HeLlloGuyssWelcomeTomiChaNnela
String in string : WelcomeTomiChaNnela
String Copy : WelcomeTomiChaNnela
String Copy for n : WelcomeTomiChaNnela
LowerCase : welcometomichannela
UpperCase : WELCOMETOMICHANNELA
CMPI : 0
NICMP : 0
SET : *****
SET for n : *****
Reverse : *****
Process returned 0 (0x0)    execution time : 34.642 s
Press any key to continue.

```

Q2

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

```

int main() {

    printf("Aaryan Sharma\n");

    printf("16010123012\n");

    char l[1000];

    printf("Enter the string : ");

    scanf("%s",&l);

    for (int i=0; l[i]!='\0'; i++){

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

            l[i] = l[i] + 32;

        }

    }
}

```

```
}  
printf("Lowercase : %s\n",l);  
return 0;  
}
```

```
Aaryan Sharma  
16010123012  
Enter the string : QWERTYUIOPLKJHGFDSA ZXCVBNM  
Lowercase : qwertyuioplkjhgfdsazxcvbnm  
  
Process returned 0 (0x0)    execution time : 3.740 s
```