***Exercise 1 –*** *Accept the Roll No, Name and Stream of 'N' no. of students and print the rollno. , and name of all the students in tabular form and also print total number of students studying in "CSE". An example would be as follows:*

Enter no. of students: 3

Rl. No. : 10

Name: X

Stream: CSE

Rl. No. : 20

Name: Y

Stream: IT

Rl. No. : 30

Name: Z

Stream: CSE

Rl. No. Name Stream

10 X CSE

20 Y IT

30 Z CSE

Total number of students in ''CSE'' = 2

*Program –*

#include <stdio.h>

#include <string.h>

struct student

{

     char name[50], stream[50];

     int roll;

} s[100];

int main()

{

     int i,n,CSE,CSEc=0,cse;

     printf("Enter no. of students: ");

     scanf("%d",&n);

     printf("\n");

     // storing information

     for (i=0;i<n;++i)

     {

         printf("Rl. No. : ");

         scanf("%d",&s[i].roll);

         printf("Name: ");

         scanf("%s", &s[i].name);

         printf("Stream: ");

         scanf("%s", &s[i].stream);

         printf("\n");

         CSE = strcmp(s[i].stream, "CSE");

         cse = strcmp(s[i].stream, "cse");

         if (cse==0 || CSE==0)

         {

             CSEc += 1;

         }

     }

     // displaying information

     printf("Rl. No.\t\t Name\t\t Stream\n");

     for (i=0; i<n; i++)

     {

printf("\n%d\t\t %s\t\t %s\n",s[i].roll,s[i].name,s[i].stream);

     }

printf("\nTotal number of students in ''CSE'' = %d",CSEc);

     return 0;

}

*Output –*

Enter no. of students: 3

Rl. No. : 10

Name: X

Stream: CSE

Rl. No. : 20

Name: Y

Stream: IT

Rl. No. : 30

Name: Z

Stream: CSE

Rl. No. Name Stream

10 X CSE

20 Y IT

30 Z CSE

Total number of students in ''CSE'' = 2