

Source Code:-

```
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
typedef struct
{
    int rollno;
    char password[25];
}student;

int searcher(student *n1,student *p, int n)
{
    int i;
    for(i=0;i<n;i++)
    {
        //printf("%d\t",(p+i)->rollno);
        //printf("%d\n",n1->rollno);
        if(((p+i)->rollno)==(n1->rollno))
        {
            //printf("%s \t",(p+i)->password);
            //printf("%s \n",n1->password);
            if(strcmp(((p+i)->password),(n1->password))==0)
            {
                return 1;
                //printf("%d \n",f);
            }
        }
    }
    return 0;
}

int main(void)
{
    int i,n;
    student *p,ana;
    printf("Enter the Number of students\n");
    scanf("%d",&n);
    p=(student*)malloc(n*sizeof(student ));
    for(i=0;i<n;i++)
    {
        printf("\nEnter the Rollno of %d student\n",i+1);
        scanf("%d",&(p+i)->rollno);
        //printf("%d", (p+i)->rollno);
        printf("\nEnter the Password of %d student\n",i+1);
        scanf("%s",&(p+i)->password);
        //printf("%s", (p+i)->password);
    }
    printf("\nEnter the roll No of Anonymous student\n");
    scanf("%d",&ana.rollno);
    //printf("%d",ana.rollno);
    printf("\nEnter the Password of Anonymous student\n");
    scanf("%s",&ana.password);
```

```
//printf("%s",ana.password);  
if(searcher(&ana, p, n))  
{  
    printf("Student is Authorized");  
}  
else  
{  
    printf("Student is Not Authorized");  
}  
}
```

Output:-

Enter the Number of students

6

Enter the Rollno of 1 student

8949

Enter the Password of 1 student

abc

Enter the Rollno of 2 student

8950

Enter the Password of 2 student

def

Enter the Rollno of 3 student

8951

Enter the Password of 3 student

ghi

Enter the Rollno of 4 student

8952

Enter the Password of 4 student

jkl

Enter the Rollno of 5 student

8953

Enter the Password of 5 student

mno

Enter the Rollno of 6 student

8954

Enter the Password of 6 student

pqrs

Enter the roll No of Anonymous student

8953

Enter the Password of Anonymous student

mno

Student is Authorized