

```
/*EXP 9 TASK 1
```

WAP: To read 5 students data and then display topper

NAME:Mirza Sumaiya

DIV: A

BRANCH:AI&DS

UIN:241A014

ROLL NO:14\*/

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

```
#include<string.h>
```

```
struct student_record{
```

```
char name[50];
```

```
int roll_number;
```

```
float total_marks;
```

```
};
```

```
void input_student_data(struct student_record students[],int n){
```

```
for(int i=0;i<n;i++){
```

```
printf("enter details for student %d;\n",i+1);
```

```
printf("name:");
```

```
scanf("%s",students[i].name);
```

```
printf("roll number:");
```

```
scanf("%d",&students[i].roll_number);
```

```
printf("total marks:");
```

```
scanf("%f",&students[i].total_marks);
```

```
}
```

```
}
```

```
int find_topper(struct student_record students[],int n){
```

```
int topper_index=0;
```

```
for(int i=1;i<n;i++){
```

```
if(students[i].total_marks>students[topper_index].total_marks){
```

```
topper_index=i;
```

```
}
```

```
}
```

```
return topper_index;
```

```
}
```

```
int main(){
```

```
int n=5;
```

```
struct student_record students[n];
```

```
printf("\t\t***topper finder***\n\n");
```

```
input_student_data(students,n);
```

```
int topper_index=find_topper(students,n);
```

```
printf("\n topper details:\n");
```

```
printf("name:%s\n",students[topper_index].name);
```

```
printf("roll number:%d\n",students[topper_index].roll_number);
```

```
printf("total marks:%f\n",students[topper_index].total_marks);
```

```
return 0;
```

```
}
```

```
/*enter details for student 1;
```

```
name: SHAMSHER
```

```
roll number: 12
```

```
total marks: 77
```

```
enter details for student 2;
```

```
name: RUKSANA
```

```
roll number:3
```

```
total marks: 88
```

```
enter details for student 3;
```

```
name: IKRA
```

```
roll number: 55
```

```
total marks: 65
```

```
enter details for student 4;
```

```
name: SAM
```

```
roll number: 34
```

```
total marks: 55
```

```
enter details for student 5;
```

```
name: NORA
```

```
roll number: 33
```

```
total marks: 87
topper details:
name: RUKSANA
roll number: 3
total marks: 88.000000*/
```