

DSLAB-1

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Code-
#include <stdio.h>

```
int main()
{
    struct student
    {
        int st_id,age;
        float marks;
    };
    struct student details;
    printf("Hello! Enter your details and check whether you have qualified the entrance exam\n");
    printf("Enter\n");
    printf("Student ID:");
    scanf("%d",&details.st_id);
    printf("\nAge:");
    scanf("%d",&details.age);
    printf("\nMarks:");
    scanf("%f",&details.marks);

    if(details.age>20)
    {
        float marks1 = details.marks;
        if(marks1>=0 && marks1<=100)
        {
            if(marks1>=65)
                printf("Congratulations! You have qualified the exam. You can seek admission in our university!");
            else
                printf("Sorry! You have not qualified the exam. Better Luck next time!");
        }
        else
            printf("Invalid Marks! Please enter proper marks");
    }
    else
    {
        if(details.marks>=0 && details.marks<=100)
            printf("Invalid Age!");
        else
            printf("Invalid Credentials! Please try again");
    }
}
```

OUTPUT:

```
Hello! Enter your details and check whether you have qualified the entrance exam
Enter
Student ID:1120

Age:23

Marks:66
Congratulations! You have qualified the exam. You can seek admission in our university!
```

```
Hello! Enter your details and check whether you have qualified the entrance exam
Enter
Student ID:230122301

Age:26

Marks:56
Sorry! You have not qualified the exam. Better Luck next time!
```

```
Hello! Enter your details and check whether you have qualified the entrance exam
Enter
Student ID:6574

Age:18

Marks:90
Invalid Age!
```

```
78Hello! Enter your details and check whether you have qualified the entrance exam
Enter
Student ID:9956

Age:19

Marks:1001
Invalid Credentials! Please try again
```

```
Hello! Enter your details and check whether you have qualified the entrance exam
Enter
Student ID:3456

Age:23

Marks:1001
Invalid Marks! Please enter proper marks
```