

Week - 1

18MI9CS061

HEMANG

1. Program to take info of students and then print if they are eligible or not.

```
#include <stdio.h>
struct Student
{
    int Id, age;
    float marks;
} Stud[100];

void main()
{
    int i, n;
    printf("Enter the total number of Students\n");
    scanf("%d", &n);
    printf("Enter Student info as Id. Age. Marks\n");
    for (i = 0; i < n; i++)
    {
        scanf("%d %d %f", &Stud[i].Id,
            &Stud[i].age, &Stud[i].marks);
    }
    printf("\n Qualified Students are :\n");
    printf("\n Id \t \t AGE \t \t MARKS \n");
    for (i = 0; i < n; i++)
    {
        if ((Stud[i].age > 20) && (Stud[i].marks > 65)
            && (Stud[i].marks <= 100) &&
            (Stud[i].marks >= 0))
        {
            printf("%d %d %f\n", Stud[i].Id, Stud[i].age, Stud[i].marks);
        }
    }
}
```

```

}
printf("\n Not qualified Students are: \n");
printf("\n Id \t \t Age \t \t MARKS \n");
for (i = 0; i < n; i++)
{
    if (Stud[i].age > 20 && Stud[i].marks
        < 65)
        printf(
            "\n %d \t \t %d \t \t %d \t \t %f \t \t \n",
            Stud[i].Id, Stud[i].Age,
            Stud[i].marks);
}
printf("\n Students with invalid data are: \n");
printf("\n Id \t \t AGE \t \t MARKS \n");
for (i = 0; i < n; i++)
{
    if (Stud[i].age < 20 || Stud[i].marks < 0
        || Stud[i].marks > 100)
        printf(
            "\n %d \t \t %d \t \t %d \t \t %f \t \t \n",
            Stud[i].Id, Stud[i].age,
            Stud[i].marks);
}
}

```