

WEEK 1

```
#include <stdio.h>

#include<stdlib.h>

#include<string.h>

struct student {

    char firstName[50];

    int roll;

    int age;

    int id;

    float marks;

} s[100];


int main() {

    int i, n;

    printf("Enter no of students:\n");

    scanf("%d",&n);

    printf("Enter information of students:\n");


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

        s[i].roll = i + 1;

        printf("\nFor roll number%d,\n", s[i].roll);

        printf("Enter first name: ");

        scanf("%s", s[i].firstName);


        printf("Enter student id: ");

        scanf("%d", &s[i].id);


        printf("Enter student age: ");

        scanf("%d", &s[i].age);

        if (s[i].age <= 20){

            printf("Invalid age,should be greater than 20");
```

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```
        i -= 1;

        continue;
    }

    printf("Enter marks: ");

    scanf("%f", &s[i].marks);

    if (s[i].marks < 0 || s[i].marks > 100){

        printf("Invalid marks,should be between 0 and 100");

        i -= 1;

        continue;
    }

}

printf("Displaying Information of all applied students:\n\n");


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

    printf("\nRoll number: %d\n", i + 1);

    printf("First name: ");

    puts(s[i].firstName);

    printf("Marks: %.1f\n", s[i].marks);

    printf("Student id: %d\n", s[i].id);

    printf("Student age: %d\n", s[i].age);

    printf("\n");

}

printf("checking for disqualification:\n");

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

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```
        if (s[i].marks < 65){  
            printf("the student with id %d is not qualified for exam because marks is less than  
65\n",s[i].id);  
        }  
    }  
  
    printf("Displaying Information of all qualified students:\n\n");
```

```
for (i = 0; i < n; i++) {  
    if (s[i].marks < 65){  
        continue;  
    }  
  
    printf("\nRoll number: %d\n", i + 1);  
    printf("First name: ");  
    puts(s[i].firstName);  
    printf("Marks: %.1f\n", s[i].marks);  
    printf("Student id: %d\n", s[i].id);  
    printf("Student age: %d\n", s[i].age);  
    printf("\n");  
}
```

```
return 0;  
}
```

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C:\Windows\SYSTEM32\cmd.exe

```
For roll number1,
Enter first name: KMD
Enter student id: 123
Enter student age: 22
Enter marks: 95

For roll number2,
Enter first name: JKOER
Enter student id: 4564
Enter student age: 23
Enter marks: 97
Displaying Information of all applied students:

Roll number: 1
First name: KMD
Marks: 95.0
Student id: 123
Student age: 22

Roll number: 2
First name: JKOER
Marks: 97.0
Student id: 4564
Student age: 23

checking for disqualification:
Displaying Information of all qualified students:

Roll number: 1
First name: KMD
Marks: 95.0
Student id: 123
Student age: 22

Roll number: 2
First name: JKOER
Marks: 97.0
Student id: 4564
Student age: 23

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(program exited with code: 0)
Press any key to continue . . .
```