

16/09/2020

wednesday

Q.1) * age must be 20

* marks greater than ≥ 65

→ # include <stdio.h>

include <stdlib.h>

include <string.h>

struct student {

char first name [50];

int roll, age, id;

float marks;

} s[100];

int main() {

int i, n;

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

scanf (" %d", &n);

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

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

s[i].roll = i+1;

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

printf ("Enter first name);

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

printf ("Enter student id");

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

printf ("Enter the student age : ");

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

```
if (s[i].age <= 0) {  
    printf ("Invalid age");  
    i -= 1;  
    continue;  
}
```

```
printf ("Enter marks");
```

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

```
if (s[i].marks < 0 || s[i].marks > 100) {  
    printf ("Invalid marks");  
    i -= 1;  
    continue;  
}
```

```
}  
printf ("Displaying information of all applied students\n");
```

```
for (i=0; i<n; i++) {  
    printf ("\n roll number : %d \n", i+1);  
    printf ("First name");  
    puts (s[i].first name);  
    printf ("marks: %.2f\n", s[i].marks);  
    printf ("student id : %d \n", s[i].id);  
    printf ("student age %d\n", s[i].age);  
    printf ("student\n");  
}
```

```
printf ("checking for disqualification.\n");  
for (i=0; i<n; i++) {
```

```

if (sci.marks < 65) {
    printf("The student with id %d is not
           qualified for exam\n", sci.id);
}
}
printf("Displaying information of all qualified
       students : \n");
for (i=0; i<n; i++) {
    if (sci.marks < 65) {
        continue;
    }
    printf(" \n Roll number : %d \n", i+1);
    printf(" First name : ");
    puts (sci.first name);
    printf(" Marks : %d \n", sci.marks);
    printf(" student id : %d \n", sci.id);
    printf(" student age : %d \n", sci.age);
    printf(" \n");
}
return 0;
}

```