DS Lab-1 Practice Program:

```c
#include<stdio.h>

int main()

{

int n,i;

printf("Enter the number of students applying for admission in the University\n");

scanf("%d",&n);


    struct student

    {

        int id;

        int age;

        int marks;

    };

    struct student s[n];


    for(i=0;i<=n-1;i++)

    {

    printf("\nEnter the student's id,age and marks scored in the qualifying exam\n");

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

    if((s[i].age>20)&&((s[i].marks>=0)&&(s[i].marks<=100)))

    printf("The entered data is valid.\n");

    else

    {
```

```c
        printf("The entered data is invalid!\n");

        }

        if(((s[i].marks>=65)&&(s[i].marks<=100))&&(s[i].age>20))

        printf("The student is qualified for the admission!\n");

        else

            printf("The student is not capable of qualifying for the admission.\n");


}
return 0;

}
```
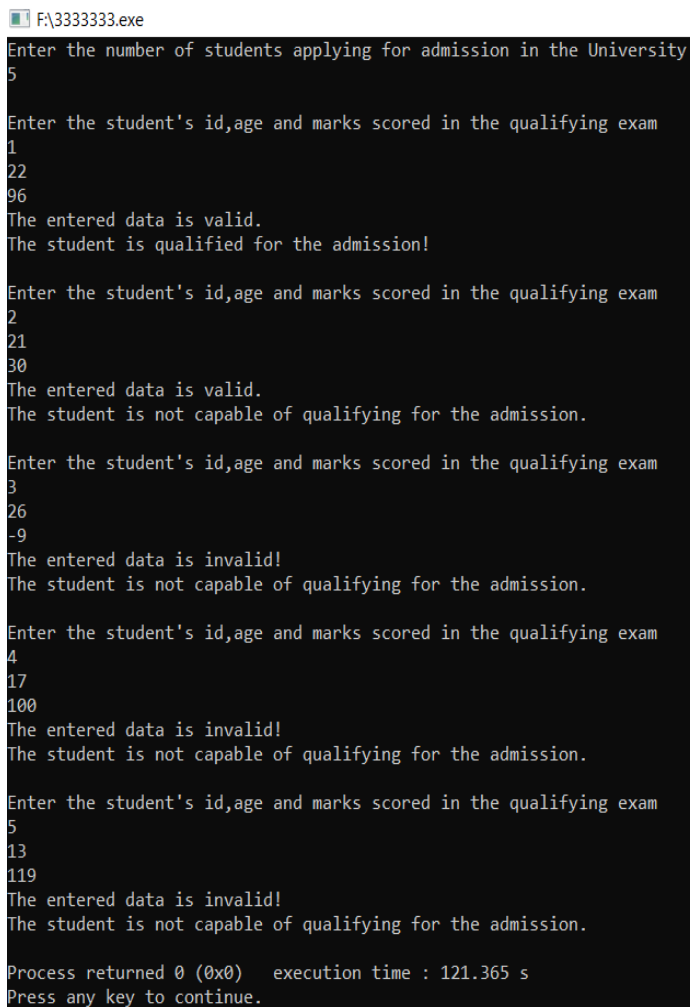
F:\3333333.exe

```
Enter the number of students applying for admission in the University
5

Enter the student's id,age and marks scored in the qualifying exam
1
22
96
The entered data is valid.
The student is qualified for the admission!

Enter the student's id,age and marks scored in the qualifying exam
2
21
30
The entered data is valid.
The student is not capable of qualifying for the admission.

Enter the student's id,age and marks scored in the qualifying exam
3
26
-9
The entered data is invalid!
The student is not capable of qualifying for the admission.

Enter the student's id,age and marks scored in the qualifying exam
4
17
100
The entered data is invalid!
The student is not capable of qualifying for the admission.

Enter the student's id,age and marks scored in the qualifying exam
5
13
119
The entered data is invalid!
The student is not capable of qualifying for the admission.

Process returned 0 (0x0)   execution time : 121.365 s
Press any key to continue.
```