

DS LAB-1
OBSERVATION BOOK

classmate

Date _____

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```
#include <stdio.h>

int main ()
{
    struct student_details {
        char id [10];
        int age ;
        float marks ;
    };
    struct student_details stud - d [10];
    int i=0, op;
    while (1)
    {
        printf ("\n Enter the following details of the student %d", i);

        printf ("\n Enter the ID No. : ");
        scanf ("%s" ; & stud - d [i].id);
        printf ("Enter the Age : ");
        scanf ("%d", & stud - d [i].age);
        printf ("Enter the Marks : ");
        scanf ("%f" ; & stud - d [i].marks);

        if (stud - d [i].age < 21)
        {
            printf ("\n You are not eligible for admissions");
        }
    }
}
```

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```
    printf ("In Your age must be above 18 ");  
    continue ;  
}
```

```
else if (stud - d[i].marks < 65 )  
{
```

```
    printf ("In You are not eligible for admissions");  
    printf ("In Your marks must be greater than or  
    equal to 65. " );
```

```
        continue ;  
}
```

```
else:
```

```
{ printf ("In You are eligible for admissions");  
}
```

```
printf ("In Enter '0' Exit In or In Enter any  
other number to add another response: ");
```

```
scanf ("%d", &op);
```

```
if (op == 0)  
{
```

```
    break ;  
}
```

```
    i++ ;
```

```
}
```

```
printf ("In The following are the details of the students.  
eligible for admissions ");
```

```
for (int j=0 ; j< (i+1) ; j++)
```

```
{
```

```
    printf ("In The following are the details of the student %d : ", j);
```

```
    printf ("In ID: %s", stud_d[j].id);
```

```
    printf ("In Age: %d", stud_d[j].age);
```

```
    printf ("In marks: %f", stud_d[j].marks);
```

```
}
```

```
return 0;
```

```
}
```