

DS Lab Programs

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→ Week 1 Practice program :- [Lab 1]

```
#include <stdio.h>
int main()
{
    int n, i;
    printf("Enter the number of students applying for admission in the university in");
    scanf("%d", &n);

    struct student
    {
        int id;
        int age;
        int marks;
    };

    struct student s[n];
    for (i=0; i<=n; i++)
    {
        printf("\n Enter 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
```

```
printf ("The entered data is not valid \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;
```

```
}
```