

DATA STRUCTURES - LAB

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18M19CS098
DATE: _____
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1) Student Information:

```
#include <stdio.h>
```

```
struct student
```

```
{
```

```
    int id;
```

```
    int age;
```

```
    int marks;
```

```
};
```

```
int main()
```

```
{
```

```
    int z;
```

```
    struct student S[5];
```

```
    for(z=0; z<5; z++)
```

```
    {
```

```
        printf("Enter student %d ID: \n", z+1);
```

```
        scanf("%d", &S[z].id);
```

```
        printf("Enter your age: \n");
```

```
        scanf("%d", &S[z].age);
```

```
        printf("Enter your marks: \n");
```

```
        scanf("%d", &S[z].marks);
```

```
        int i=0;
```

```
        if ((S[z].age > 20) && (S[z].marks >= 0 && S[z].marks <= 100))
```

```
        {
```

```
            i=1;
```

```
            printf("Verification successful \n");
```

```
        }
```

```
    else
```

```
    {
```

```
        printf("Student data is invalid \n");
```

```
        if (S[z].age <= 20)
```

```
            printf("Invalid age \n");
```

```
        if (S[z].marks < 0 || S[z].marks > 100)
```

```
            printf("Invalid marks \n");
```

```
        } continue;
```

```
if(i == 1) && (s[2].marks >= 65))  
    {
```

```
        printf("You are qualified for admission \n");  
    }
```

```
else
```

```
    printf("Sorry, you are not eligible for admission  
           because of invalid marks. \n");  
}
```

```
}
```