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18M19CS200

WAP for the given scenario

A university wants to automate their admission process
Students are admitted based on the marks scored
in a qualifying exam.

A student is identified by student id, age and marks
in qualifying exam. Data are valid, if

Age is greater than 20
Mark is between 0 and 100

A student qualifies for admission if
Age and marks are valid and marks is 65 or more

```
#define size 100
```

```
struct Student
```

```
{
```

```
    int id;
```

```
    int age;
```

```
    int marks;
```

```
};
```

```
void accept_input (struct Student s1);
```

```
{
```

```
    printf("Enter the id");
```

```
    scanf("%d", &s1.id);
```

```
    printf("Enter the age");
```

```
    scanf("%d", &s1.age);
```

```

printf ("Enter the marks ");
scanf ("%d", &s1.marks);
}

```

```

void display (struct student s1)
{
    printf ("Student details are : \n");
    printf ("ID is %d", s1.id);
    printf ("Age - %d", s1.age);
    printf ("Marks - %d", s1.marks);
}

```

```

int main main()
{
    struct student s[size];
    int n;
    printf ("Please enter no of students ");
    scanf ("%d", &n);
    for (i=0; i<n; i++)
    {
        accept_input (s[i]);
    }
    for (i=0; i<n; i++)
    {
        display(s[i]);
    }
}

```



```

for (i=0; i<n; i++)
{
    if ((s[i].age > 20) && (0 < s[i].marks <= 100))
    {
        printf("Data is valid\n");
        if (s[i].marks >= 65)
            printf("Student qualifies for admission");
    }
    else
    {
        printf("Data Invalid");
    }
    return 0;
}

```

————— X —————