

21-9-20

① University admission program

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

```
struct student {
```

```
    int id;
```

```
    int age;
```

```
    int marks;
```

```
};
```

```
void std_info (int i, struct student s[i])
```

```
{
```

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

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

```
    printf("Enter age of student %d : ", i+1);
```

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

```
    printf("Enter marks of student %d : ", i+1);
```

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

```
}
```

```
void display (int i, struct student s[i])
```

```
{
```

```
    printf("\n ID : %d", s[i].id);
```

```
    printf("\n Age : %d", s[i].age);
```

```
    printf("\n Marks : %d\n", s[i].marks);
```

```
}
```

```
int main ()
```

```
{
```

```

int n, i;
printf("Enter the no. of students whose
      details you want to enter: ");
scanf("%d", &n);
struct student s[n];
for (i = 0; i < n; i++)
{
    std std_info(i, s);
}
printf("\n\n student(s) who qualify for
      admission is/are: \n");
for (i = 0; i < n; i++)
{
    if (s[i].age >= 20 && s[i].marks <= 100
        && s[i].marks >= 0) {
        if (s[i].marks >= 65) {
            display(i, s);
        }
        else {
            printf("\n The student with ID = %d
                  doesn't qualify for admission.\n", s[i].id);
        }
    }
    else {
        printf("\n The details of student
              with ID = %d aren't valid.\n", s[i].id);
    }
}
}

```

return 0;

7