

# 1) A university automation program

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

```
struct student {
```

```
    int marks;
```

```
    int id;
```

```
    int marks
```

```
};
```

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

```
{ printf ("Enter the I.D of the student: %d", i+1);
```

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

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

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

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

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

```
}
```

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

```
{
```

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

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

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

```
}
```

```
int main ()
```

```
{
```

```
    int n, i;
```

```
    printf ("Enter the number of students whose  
           details you want to enter: ");
```

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

```
    struct student s[n];
```

```
    for (i=0; i<n; i++)
```

```
{ std_info (i, s);
```

```
} printf ("n\n students) who qualify for  
admission is : \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 I.D = %d aren't valid.\n",  
s[i].id)
```

```
}
```

```
}
```

```
return 0;
```

```
}
```