

4. #include <stdio.h>

struct student

{

int CIE, SEE;

char grade;

} s[5];

int main()

{

int i;

float tot;

printf("Enter marks of student for 5 subjects\n");

for (i = 0; i < 5; i++)

{

printf("Enter the CIE (50) and SEE (100) marks of the student respectively for subject %d\n", (i+1));

scanf("%d %d", &s[i].CIE, &s[i].SEE);

tot = (s[i].SEE / 2.0) + s[i].CIE;

if (s[i].CIE >= 20 && s[i].SEE >= 40)

{

if (tot > 89 && tot <= 100)

s[i].grade = 'S';

else if (tot > 79 && tot <= 89)

s[i].grade = 'A';

else if (tot > 69 && tot <= 79)

s[i].grade = 'B';

```
else if (tot > 59 && tot <= 69)
```

```
    s[i].grade = 'C';
```

```
else if (tot > 49 && tot <= 59)
```

```
    s[i].grade = 'D';
```

```
else
```

```
    s[i].grade = 'E';
```

```
}
```

```
else if (s[i].CIE >= 20 && s[i].SEE < 40)
```

```
    s[i].grade = 'F';
```

```
else
```

```
    s[i].grade = 'N';
```

```
}
```

```
printf ("Grades : (N indicates NOT Eligible to  
write SEE) \n");
```

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

```
    printf ("Subject : %d : %.c \n", (i+1), s[i].grade);
```

```
}
```