

step -1

```
a = 78  
b = 89  
c = 98  
d = 79  
e = 67  
sum = a+b+c+d+e  
percentage = sum/5
```

step -1

```
int a = 78;  
int b = 89;  
int c = 98;  
int d = 79;  
int e = 67;  
int sum = a+b+c+d+e;  
float percentage = sum/5;
```

```
1 //step 3
2 #include <stdio.h>
3
4 int main()
5 {
6     int a = 78;
7     int b = 89;
8     int c = 98;
9     int d = 79;
10    int e = 67;
11
12    int sum = a + b + c + d + e;
13    printf("Sum: %d\n", sum);
14
15    float percentage = (sum / 500.0) * 100;
16    printf("Percentage: %.2f%%\n", percentage);
17
18    if (percentage >= 90 && percentage <= 100)
19    {
20        printf("Grade: A\n");
21    }
22    else if (percentage >= 80 && percentage < 90)
23    {
24        printf("Grade: B\n");
25    }
26    else if (percentage >= 60 && percentage < 80)
27    {
28        printf("Grade: C\n");
29    }
30    else
31    {
32        printf("Grade: D\n");
33    }
34
35 }
36
```

```
1 //step 4
2 #include <stdio.h>
3
4 int main()
5 {
6     int subject1 = 78;
7     int subject2 = 89;
8     int subject3 = 98;
9     int subject4 = 79;
10    int subject5 = 67;
11
12    int sum_Marksofallsubjects = subject1 + subject2 + subject3 + subject4 + subject5;
13    printf("marks obtained by the student: %d\n", sum_Marksofallsubjects);
14
15    float percentageMarksObtained = (sum_Marksofallsubjects / 500.0) * 100;
16    printf("Percentage obtained by the student: %.2f%%\n", percentageMarksObtained);
17
18    if (percentageMarksObtained >= 90 && percentageMarksObtained <= 100)
19    {
20        printf("Grade obtained by the student: A\n");
21    }
22    else if (percentageMarksObtained >= 80 && percentageMarksObtained < 90)
23    {
24        printf("Grade obtained by the student: B\n");
25    }
26    else if (percentageMarksObtained >= 60 && percentageMarksObtained < 80)
27    {
28        printf("Grade obtained by the student: C\n");
29    }
30    else
31    {
32        printf("Grade obtained by the student: D\n");
33    }
34
35 }
36
```

```

1 //step 5
2 #include <stdio.h>
3 int main(){
4     int subject1;
5     printf("Enter the marks obtained in subject 1: ");
6     scanf("%d", &subject1);
7     int subject2;
8     printf("Enter the marks obtained in subject 2: ");
9     scanf("%d", &subject2);
10    int subject3;
11    printf("Enter the marks obtained in subject 3: ");
12    scanf("%d", &subject3);
13    int subject4;
14    printf("Enter the marks obtained in subject 4: ");
15    scanf("%d", &subject4);
16    int subject5;
17    printf("Enter the marks obtained in subject 5: ");
18    scanf("%d", &subject5);
19
20    int sum_Marksofallsubjects = subject1 + subject2 + subject3 + subject4 + subject5;
21    printf("marks obtained by the student: %d\n", sum_Marksofallsubjects);
22
23    float percentageMarksObtained = (sum_Marksofallsubjects / 500.0) * 100;
24    printf("Percentage obtained by the student: %.2f%%\n", percentageMarksObtained);
25
26    if (percentageMarksObtained >= 90 && percentageMarksObtained <= 100)
27        printf("Grade obtained by the student: A\n");
28
29    else if (percentageMarksObtained >= 80 && percentageMarksObtained < 90)
30        printf("Grade obtained by the student: B\n");
31
32    else if (percentageMarksObtained >= 60 && percentageMarksObtained < 80)
33        printf("Grade obtained by the student: C\n");
34
35    else
36        printf("Grade obtained by the student: D\n");
37
38 }

```

```

1 //step 6
2 #include <stdio.h>
3
4 int main() {
5     int subject1, subject2, subject3, subject4, subject5;
6
7     printf("Enter the marks obtained in subject 1: ");
8     scanf("%d", &subject1);
9
10    printf("Enter the marks obtained in subject 2: ");
11    scanf("%d", &subject2);
12
13    printf("Enter the marks obtained in subject 3: ");
14    scanf("%d", &subject3);
15
16    printf("Enter the marks obtained in subject 4: ");
17    scanf("%d", &subject4);
18
19    printf("Enter the marks obtained in subject 5: ");
20    scanf("%d", &subject5);
21
22    int sum_Marksofallsubjects = subject1 + subject2 + subject3 + subject4 + subject5;
23    float percentageMarksObtained = (sum_Marksofallsubjects / 500.0) * 100;
24
25    printf("marks obtained by the student: %d\n", sum_Marksofallsubjects);
26    printf("Percentage obtained by the student: %.2f%%\n", percentageMarksObtained);
27
28    if (percentageMarksObtained >= 90 && percentageMarksObtained <= 100)
29        printf("Grade obtained by the student: A\n");
30
31    else if (percentageMarksObtained >= 80 && percentageMarksObtained < 90)
32        printf("Grade obtained by the student: B\n");
33
34    else if (percentageMarksObtained >= 60 && percentageMarksObtained < 80)
35        printf("Grade obtained by the student: C\n");
36
37    else
38        printf("Grade obtained by the student: D\n");
39
40    return 0;
41
42 }
43

```