```
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;
```

```c
//step 3
#include <stdio.h>

int main()
{
    int a = 78;
    int b = 89;
    int c = 98;
    int d = 79;
    int e = 67;

    int sum = a + b + c + d + e;
    printf("Sum: %d\n", sum);

    float percentage = (sum / 500.0) * 100;
    printf("Percentage: %.2f%%\n", percentage);

    if (percentage >= 90 && percentage <= 100)
    {
        printf("Grade: A\n");
    }
    else if (percentage >= 80 && percentage < 90)
    {
        printf("Grade: B\n");
    }
    else if (percentage >= 60 && percentage < 80)
    {
        printf("Grade: C\n");
    }
    else
    {
        printf("Grade: D\n");
    }

}
```

```c
//step 4
#include <stdio.h>

int main()
{
    int subject1 = 78;
    int subject2 = 89;
    int subject3 = 98;
    int subject4 = 79;
    int subject5 = 67;

    int sum_Marksofallsubjects = subject1 + subject2 + subject3 + subject4 + subject5;
    printf("marks obtained by the student: %d\n", sum_Marksofallsubjects);

    float percentageMarksObtained = (sum_Marksofallsubjects / 500.0) * 100;
    printf("Percentage obtained by the student: %.2f%%\n", percentageMarksObtained);

    if (percentageMarksObtained >= 90 && percentageMarksObtained <= 100)
    {
        printf("Grade obtained by the student: A\n");
    }
    else if (percentageMarksObtained >= 80 && percentageMarksObtained < 90)
    {
        printf("Grade obtained by the student: B\n");
    }
    else if (percentageMarksObtained >= 60 && percentageMarksObtained < 80)
    {
        printf("Grade obtained by the student: C\n");
    }
    else
    {
        printf("Grade obtained by the student: D\n");
    }

}
```

```c
//step 5
#include <stdio.h>
int main(){
    int subject1;
    printf("Enter the marks obtained in subject 1: ");
    scanf("%d", &subject1);
    int subject2;
    printf("Enter the marks obtained in subject 2: ");
    scanf("%d", &subject2);
    int subject3;
    printf("Enter the marks obtained in subject 3: ");
    scanf("%d", &subject3);
    int subject4;
    printf("Enter the marks obtained in subject 4: ");
    scanf("%d", &subject4);
    int subject5;
    printf("Enter the marks obtained in subject 5: ");
    scanf("%d", &subject5);

    int sum_Marksofallsubjects = subject1 + subject2 + subject3 + subject4 + subject5;
    printf("marks obtained by the student: %d\n", sum_Marksofallsubjects);

    float percentageMarksObtained = (sum_Marksofallsubjects / 500.0) * 100;
    printf("Percentage obtained by the student: %.2f%%\n", percentageMarksObtained);

    if (percentageMarksObtained >= 90 && percentageMarksObtained <= 100)
        printf("Grade obtained by the student: A\n");

    else if (percentageMarksObtained >= 80 && percentageMarksObtained < 90)
        printf("Grade obtained by the student: B\n");

    else if (percentageMarksObtained >= 60 && percentageMarksObtained < 80)
        printf("Grade obtained by the student: C\n");

    else
        printf("Grade obtained by the student: D\n");

}
```

```c
//step 6
#include <stdio.h>

int main() {
    int subject1, subject2, subject3, subject4, subject5;

    printf("Enter the marks obtained in subject 1: ");
    scanf("%d", &subject1);

    printf("Enter the marks obtained in subject 2: ");
    scanf("%d", &subject2);

    printf("Enter the marks obtained in subject 3: ");
    scanf("%d", &subject3);

    printf("Enter the marks obtained in subject 4: ");
    scanf("%d", &subject4);

    printf("Enter the marks obtained in subject 5: ");
    scanf("%d", &subject5);

    int sum_Marksofallsubjects = subject1 + subject2 + subject3 + subject4 + subject5;
    float percentageMarksObtained = (sum_Marksofallsubjects / 500.0) * 100;

    printf("marks obtained by the student: %d\n", sum_Marksofallsubjects);
    printf("Percentage obtained by the student: %.2f%%\n", percentageMarksObtained);

    if (percentageMarksObtained >= 90 && percentageMarksObtained <= 100)
        printf("Grade obtained by the student: A\n");

    else if (percentageMarksObtained >= 80 && percentageMarksObtained < 90)
        printf("Grade obtained by the student: B\n");

    else if (percentageMarksObtained >= 60 && percentageMarksObtained < 80)
        printf("Grade obtained by the student: C\n");

    else
        printf("Grade obtained by the student: D\n");

    return 0;

}
```