-: Program :-

WAP to calculate total marks, percentage and grade of a student. Marks obtained in each of three subjects are to be input by the user. Assign grades according to the following criteria:
Grade A: if Percentage >= 80
Grade B: if Percentage >= 60 and Percentage < 80
Grade C: if Percentage >= 40 and Percentage < 60
Grade D: if Percentage < 40

-: Code :-

```
#Storing Invalid Input String to a Variable

In_Input = "Please Enter Marks B/W 0 to 100.\n"


#To Get a Valid Input from User

temp = 0

while temp == 0:

    sub_1 = int(input("Enter Marks of 1st Subject:"))

    if 0 < sub_1 < 100:

        temp = 1

    else:

        print(In_Input)

        temp = 0

while temp == 1:

    sub_2 = int(input("Enter Marks of 2nd Subject:"))

    if 0 < sub_2 < 100:

        temp = 2

    else:

        print(In_Input)

        temp = 1

while temp == 2:

    sub_3 = int(input("Enter Marks of 3rd Subject:"))

    if 0 < sub_3 < 100:

        temp = 3

    else:

        print(In_Input)

        temp = 2
```

```python
#Showing Subject Marks

print("\nSubject 1:",format(sub_1,"6"))

print("Subject 2:",format(sub_2,"6"))

print("Subject 3:",format(sub_3,"6"))


#Calculating Percentage

per = (sub_1+sub_2+sub_3)/3


#Showing Percentage

print("Percentage:",format(per,"5.2f"))


#Assigning Grades

if per >= 80:

    print("Your Grade is A")

elif per >= 60:

    print("Your Grade is B")

elif per >= 40:

    print("Your Grade is C")

else:

    print("Your Grade is D")
```

-: Output :-

```
PS C:\Users\Anshumank Sahay\OneDrive\B.Sc 1-Sem\GE\Code> & "C:/Users/
● pps/python3.12.exe" "c:/Users/Anshumank Sahay/OneDrive/B.Sc 1-Sem/GE/
Enter Marks of 1st Subject:89
Enter Marks of 2nd Subject:90
Enter Marks of 3rd Subject:96

Subject 1:     89
Subject 2:     90
Subject 3:     96
Percentage: 91.67
Your Grade is A
○ PS C:\Users\Anshumank Sahay\OneDrive\B.Sc 1-Sem\GE\Code> □
```