```
Name : Vaishnavi Bharat Gangurde
Roll No : 25
Div : C
Subject : PPS Problem 3

"""
PROBLEM STATEMENT : To accept a student five courses marks and
compute his/her result student is passing if he/she scores marks
equal to and above 40 in each course if students course
aggregate greater than 75% , then the grade in distinction. If
aggregate is 60>= and <75 then the grade is first division. If
aggregate is 50>= and <60 , then the grade is second division.
If aggregate is 40>= and <50, then the grade is third division.
If aggregate is 35>= and <40 , then grade is fail.

"""
# Empty Dictionary
 Dict = {}

 print("\nWELCOME IN 12TH ANNUAL MARKS PERCENTAGE WITH GRADE
!!!")

# It take name of student as a input
 Student_name = input("\nPlease Enter Your Name :")

# Input For Choosing how many number user wants
 How_many_numbers = int(input("Enter how many subjects marks you
want to   insert in a dictionary :"))

# List of 12th subjects
 print("\n12 th Subjects List :\n 1. Marathi \n 2. English \n 3.
Physics \n 4. Chemistry \n 5. Biology \n 6. Mathematics")

# Appending in a dictionary using for loop and append function
 for i in range(0, How_many_numbers):
     subject = input("\nEnter the subject name present in above
12th subjects  list :")
     Marks = int(input("Enter the marks of subject:"))
     Dict.update({subject:Marks})

 print(f"\n{Student_name} Your Results Record Present Following
with Percentage !!!")
 print(Dict)
```

```python
Total = 0
for i in Dict:
    Total = Total + Dict[i]

Percentage =  Total/6

if Percentage > 75:
    print(f"Congratulation {Student_name} , You got {Percentage}
So Your in Distinction !!!")




 elif Percentage >= 60 and Percentage < 75:
    print(f"Congratulation {Student_name} , You got {Percentage}
So Your in First Division !!!")


 elif Percentage >= 50 and Percentage < 60:
    print(f"Congratulation {Student_name} , You got {Percentage}
So Your in Second Division !!!")




elif Percentage >= 40 and Percentage < 50:
    print(f"Congratulation {Student_name} , You got {Percentage}
So Your in Third Division !!!")


elif Percentage >= 35 and Percentage < 40:
    print(f"Congratulation {Student_name} , You got {Percentage}
But Your not only in Distinction but also in (1st, 2nd,
3rd)Division:")


 else:
    print(f"SORRY {Student_name} , You got {Percentage} So Your
are Fail ... :")
```

```
"""
Output :

WELCOME IN 12TH ANNUAL MARKS PERCENTAGE WITH GRADE !!!

Please Enter Your Name :Vaishnavi
Enter how many subjects marks you want to insert in a dictionary
:6

12 th Subjects List :
 1. Marathi
 2. English
 3. Physics
 4. Chemistry
 5. Biology
 6. Mathematics

Enter the subject name present in above 12th subjects list
:Marathi
Enter the marks of subject:85

Enter the subject name present in above 12th subjects list
:Engish
Enter the marks of subject:63

Enter the subject name present in above 12th subjects list
:Physics
Enter the marks of subject:75

Enter the subject name present in above 12th subjects list
:Chemistry
Enter the marks of subject:73

Enter the subject name present in above 12th subjects list
:Biology
Enter the marks of subject:85

Enter the subject name present in above 12th subjects list
:Mathematics
Enter the marks of subject:92
```

```
Vaishnavi Your Results Record Present Following with Percentage
!!!
{'Marathi': 85, 'Engish': 63, 'Physics': 75, 'Chemistry': 73,
'Biology': 85, 'Mathematics': 92}


Congratulation Vaishnavi , You got 78.83333333333333 So Your in
Distinction !!!
"""
```