In [ ]:
```
#QUESTION 1

def stringsplit(x):
    x = x.replace('_', ' ')
    name, domain, regNo = x.split()
    myDict = {"Name": name, "Domain": domain, "Registration Number": int(regNo)}
    return myDict

encode_string = input("Enter 'Name', 'Domain', 'Registration No.' with any numbe
newDict = stringsplit(encode_string)
print(newDict)
```

```
{'Name': 'Anurag', 'Domain': 'PersonalHealth', 'Registration Number': 2347213}
```

In [ ]:
```
#QUESTION 2

'''Here UserData is the Parent Class that has information of the users.
The NutritionLog is a child Class that inherits attributes from the Parent Class
Similarly, The Exerciselog is a child Class that inherits attributes from the Pa
The Wellness Dashboard Class uses multiple inheritence to inherit data from both
'''



class UserData:
    def __init__(self, name, age, gender):
        self.name = name
        self.age = age
        self.gender = gender

class NutritionalLog(UserData):
    def __init__(self, name, age, gender):
        super().__init__(name, age, gender)
        self.nutrition_data = []
    def add_nutrition_entry(self, entry):
        self.nutrition_data.append(entry)

class ExerciseLog(UserData):
    def __init__(self, name, age, gender):
        super().__init__(name, age, gender)
        self.exercise_data = []
    def add_exercise_entry(self, entry):
        self.exercise_data.append(entry)

class ExercisePlan(UserData):
    def __init__(self, name, age, gender, goal):
        super().__init__(name, age, gender)
        self.goal = goal

class WellnessDashboard(NutritionalLog, ExerciseLog):
    def __init__(self, name, age, gender):
        super().__init__(name, age, gender)
        self.wellness_score = 0

    def calculate_wellness_score(self):
        self.wellness_score = len(self.nutrition_data) + len(self.exercise_data)

user1 = WellnessDashboard("Anurag", 23, "Male")
user2 = NutritionalLog("Raghav", 30, "Male")
```

```
user1.add_nutrition_entry("Healthy breakfast")
user1.add_exercise_entry("30-min jog")

user2.add_nutrition_entry("Salad for lunch")

user1.calculate_wellness_score()

print(f"{user1.name}'s Wellness Score: {user1.wellness_score}")
print(f"{user2.name}'s Nutrition Log: {user2.nutrition_data}")
```

```
Anurag's Wellness Score: 2
Raghav's Nutrition Log: ['Salad for lunch']
```