Project_1

April 13, 2023

0.1 Project

0.1.1 1. Greeting Project

Instruction: Write a program that uses input to prompt a user for their name and then welcome them.

```python
[3]: Name= input("Enter your name:")
     print("Hello",Name)
     print("Welcome to the Python.")
```

```
Enter your name: Ajeet

Hello Ajeet
Welcome to the Python.
```

0.1.2 2. Group Name Generator.

Instruction:

1. Create a greeting for your program.

2. Ask the user for their favourite colour.

3. Ask the user for their favourite animal.

4. Combine the name of their favourite colour and animal show their group name.

```python
[14]: print("Welcome To Group Name generator")
      colour= input("What is your favourite colour ?")
      animal= input("What is your favourite animal ?")
      print(f"Your Group Name could be {colour} {animal}")
```

```
Welcome To Group Name generator

What is your favourite colour ? Black
What is your favourite animal ? Dog

Your Group Name could be Black Dog
```

0.1.3   3. Gross Pay

Instruction: Write a program to prompt the user for hour and rate per hour to compute gross pay. You need to take into account that the result has exactly two digits after decimal place.

```
[9]: Hour= float(input("Enter Hours:"))
     Rate = float(input("Enter Rate:"))
     pay = round(Hour*Rate,2)
     print("Total Pay:",pay)
```

```
Enter Hours: 25
Enter Rate: 45.2345

Total Pay: 1130.86
```

0.1.4   4. Celsius to Fahrenheit

Instruction: Write a program which prompt the user for a Celsius temperature, convert the temperature to Fahrenheit, and print out the converted temperature.

```
[12]: Celsius= int(input("Enter Temperature:"))
      Fahrenheit= (9/5)*Celsius + 32
      print("The Given Temperature in Fahrenheit is",Fahrenheit)
```

```
Enter Temperature: 10

The Given Temperature in Fahrenheit is 50.0
```

0.1.5   5. Trip Cost Calculator

Instruction:

Write a program which calculates trip cost for a user.

1. Create a greeting for your program.

2. Ask user for number of days.

3. Ask the user for hotel price.

4. Ask the user for flight price.

5. Ask the user for rental car price.

6. Ask for other expences

7. combine all expences together and print with 2 digit after decimal places.

```
[ ]: print("Welcome To Trip Cost calculator")
     Days= int(input("Enter No. of days stay during trip:"))
```

```python
HotelPrice = float(input("Enter Hotel Cost:"))
FlightCost= float(input("Enter Flight cost:"))
RentalCar= float(input("Enter Rental car price:"))
OtherExpences=float(input("Enter Other Expences:"))
TotalCost= round(Days*HotelPrice+Days*RentalCar + FlightCost + OtherExpences,2)
print("Total Trip Cost is",TotalCost)
```