Date : 12/9/2022

Experiment No: 1.1

Aim:

WAP to input your name and print a welcome message along with your name

Code:

```
name= input("Enter your name:")
print("Welcome",name)
```

Output:

```
Enter your name:Rajeev
Welcome Rajeev
```

Date : 12/9/2022

Experiment No: 1.2

Aim:

```
WAP to demonstrate the use of replacement operators {}, {index}
and {alphabet} in
format() used in formatted string
```

Code:

```
name=input("Enter your Name :")
subject=input("Enter the subject you are studying:")
roll=int(input("Enter your roll number: "))
food=input("Enter your food:")
print("Welcome {0} your roll number is {1} and your are studying
{s}".format(name,roll,s=subject))
print("You are eating {}".format(food))
```

Output:

```
Enter your Name :Rajeev
Enter the subject you are studying:python lab
Enter your roll number: 27
Enter your food:Pasta
Welcome Rajeev your roll number is 27 and your are studying python lab
You are eating Pasta
```

Date : 12/9/2022

Experiment No: 1.3

Aim:

WAP to demonstrate the use of "%d", "%f", "%s" in a formatted string to print values of specific data types.

Code:

```
name=input("Enter your name :")
year=int(input("Enter new year :"))
num=float(input("Enter float number :"))
print("Happy New Year %s , %d is here!!\n Your luck number is %f"%( name,year,num))
```

Output:

```
Enter your name :Rajeev
Enter new year :2022
Enter float number :33.45
Happy New Year Rajeev , 2022 is here!!
Your luck number is 33.450000
```

Date : 12/9/2022

Experiment No: 1.4

Aim:

WAP to find the sum of 3 numbers taking input from user. Print the 3 numbers and
their sum as formatted string in the print() function.

Code:

```
num1=int(input("Enter 1st number :"))
num2=int(input("Enter 2nd number :"))
num3=int(input("Enter 3rd number :"))
sum=num1+num2+num3
print("{} + {} + {} = {}".format(num1, num2, num3,sum))
```

Output:

```
num1=int(input("Enter 1st number :"))
num2=int(input("Enter 2nd number :"))
num3=int(input("Enter 3rd number :"))
sum=num1+num2+num3
print("{} + {} + {} = {}".format(num1, num2, num3,sum))
```

Date : 12/9/2022

Experiment No: 1.5

Aim:

> **WAP to find the average if 3 numbers taking input from user. Print the 3 numbers and**
> **their average as formatted string in the print() function.**

Code:

```python
num1=int(input("Enter 1st number :"))
num2=int(input("Enter 2nd number :"))
num3=int(input("Enter 3rd number :"))
avg=float((num1+num2+num3)/3)
print("The average of numbers {},{} and {} is {}".format(num1, num2, num3,avg))
```

Output:

```
Enter 1st number :2
Enter 2nd number :3
Enter 3rd number :2
The average of numbers 2,3 and 2 is 2.3333333333333335
```

Date : 12/9/2022

Experiment No: 1.6

Aim:

WAP to swap two variables. Take necessary inputs from user

Code:

```
a=int(input("Enter 1st number :"))
b=int(input("Enter 2nd number :"))
c=a
a=b
b=c
print(" After swapping \n1st number is %d, 2nd number is %d" % (a,b))
```

Output:

```
Enter 1st number :2
Enter 2nd number :6
After swapping
1st number is 6, 2nd number is 2
```

Date : 12/9/2022

Experiment No: 1.7

Aim:

WAP to swap two variables without using a third variable. Take necessary inputs from user.

Code:

```
a=int(input("Enter 1st number :"))
b=int(input("Enter 2nd number :"))
a,b=b,a
print(" After swapping \n1st number is %d, 2nd number is %d" % (a,b))
```

Output:

```
Enter 1st number :55
Enter 2nd number :88
After swapping
1st number is 88, 2nd number is 55
```