Assignment 1 : Salary

Q.

Write a program in Python to calculate salary of an employee given his basic pay (take as input from user). Calculate gross salary of employee. Let HRA be 10 % of basic pay and TA be 5% of basic pay. Let employee pay professional tax as 2% of total salary. Calculate net salary payable after deductions.

```
Name = input("Enter Name : ")
designation = (input("Enter Designation : "))
Date = input("Enetr Date : ")
Basic Pay = (int(input("Enetr Basic Pay : ")))
HRF = (Basic Pay*0.1)
TA = (Basic Pay*0.05)
Net Gross Salary = (int( Basic Pay + HRF + TA ))
Professional Tax = (Net Gross Salary*0.02)
Total Salary = (Net Gross Salary - Professional Tax)
print("----<u>---</u>")
print("| Name :
print("| Designature : | " , designation , " | " , "\n
print("| Basic Pay :
```

Output:

Calculator

Q.

Write a program in Python to simulate simple calculator that performs basic tasks such as addition, subtraction, multiplication and division with special operations like computing x^y and x!.

```
ch = 1
while ch == 1:
    num1 = float(input('num1 : '))
          b = int(num2)
```

```
ch = int(input('do you want to continue ? (0/1) : '))
if ch == 1 :
        continue
elif ch == 0 :
        break
else :
        print('invalid ')
```

Output:

1.

2.

