AYUSH RAWAT MCA (1st Sem) B STD-ID 22391138

**PROBLEM STATEMENT:**

In an organization an employee is hired on a basic salary of 20000/- with DA of 40% of basic salary, HRA of 10% of basic salary, and TA of 2000/- per month. There is a deduction of 2% of basic salary for retirement and life insurance benefits. The employee is a also given a one-time payment of 75000/- for the purchase of the furniture and 45000/- for the purchase of a laptop. Write a BASH shell script to calculate and display the net salary of the employee. Also, display the total amount credited (in the first month) to the account of the employee

**OBJECTIVE:**

To write a bash script to calculate according to the given conditions and display the total salary of 1st month and net salary of the employee.

**SHELL SCRIPT:**

echo "This program will calculate the Net Salary of employee and also amount credited to the employee in first month"

basic\_salary=20000

DA\_basic=$(echo $basic\_salary \* 0.4 | bc -l)

HRA\_basic=$(echo $basic\_salary \* 0.1 | bc -l)

TA\_basic=2000

retirement\_ins\_fund=$(echo $basic\_salary \* 0.02 | bc -l)

one\_time\_payout\_furniture=75000

one\_time\_payout\_laptop=45000

Net\_salary=$(echo $basic\_salary + $DA\_basic + $HRA\_basic + $TA\_basic - $retirement\_ins\_fund | bc -l)

Total\_salary\_for\_first\_month=$(echo $Net\_salary + $one\_time\_payout\_furniture + $one\_time\_payout\_laptop | bc -l)

echo "Net salary of the employee is : "$Net\_salary

echo "Total salary of the employee for the first month : "$Total\_salary\_for\_first\_month

**Output:**

