KUMAR KARTIK   MCA 1ST SEM   GE-20111977   STD-ID 20391008

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.
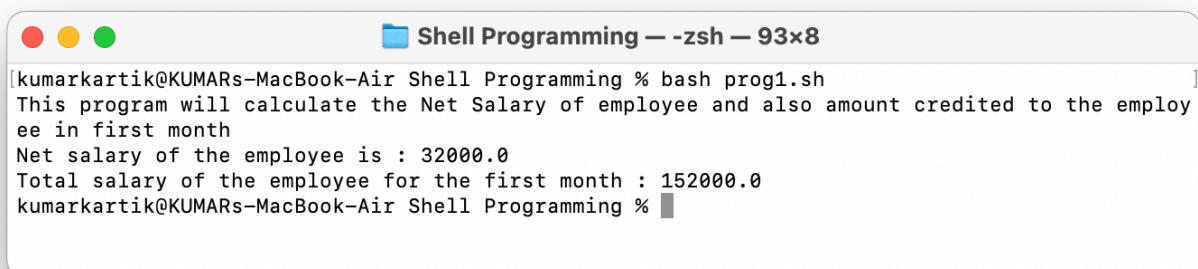
SHELL SCRIPT   :

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

basic_salary=20000   #predefined basic salary of the employee
DA_basic=`echo $basic_salary*0.4|bc ` #using basic calculator command
HRA_basic=`echo $basic_salary*0.1|bc `
TA_basic=2000   #predefined TA of employee
retirement_ins_fund=`echo $basic_salary*0.02|bc `
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`
#calculating the net salary of the employee(of per month)

Total_salary_for_first_month=`echo $Net_salary + $one_time_payout_furniture + $one_time_payout_laptop|bc`
#total salary of employee for the first month
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   :


```
[kumarkartik@KUMARs-MacBook-Air Shell Programming % bash prog1.sh           ]
This program will calculate the Net Salary of employee and also amount credited to the employee in first month
Net salary of the employee is : 32000.0
Total salary of the employee for the first month : 152000.0
kumarkartik@KUMARs-MacBook-Air Shell Programming %
```