

Q1. Write a shell script to create a calculator.

Q2. In an organization, an employee is hired on a Basic Salary of 20,000 Rs, with DA of 40% of Basic Salary, HRA of 10% of Basic Salary, and TA of 2000 Rs per month. There is a deduction of 2% of Basic Salary for retirement and life insurance benefits. The employee is also given a one time payment of 75,000 Rs. for the purchase of the furniture and 45,000 Rs 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.

Q3. Write a BASH shell script to calculate final velocity ( $v$ ) of an object, where an initial velocity ( $u$ ), acceleration ( $a$ ) and time\_duration ( $t$ ) is given as an input. The formula that will be used is  $v = u + a*t$ .