

**Assignment**

Please read the following instructions carefully before submitting the assignment.

It should be clear that your assignment will not get any credit if the assignment is copied (partial or full) from any source (websites, forums, students etc.).

**Submission of Assignment**

Assignment will be MS Word file printout form. You also have to add the screenshots of the output

results.

**Deadline:** Monday, 25thMarch till 5pm.

**Read the problem statements carefully before writing the programs.**

1. Write a shell script program that reads a number from the user and tells whether it is even or odd using if-else structure.
2. Write a shell script program that inputs a year and finds whether it is a leap year or not using if-else structure.
3. Write a shell script program that inputs salary and scale. It adds 50% bonus to the salary if the scale is greater than 15. It adds 25% bonus to the salary if the scale is 15 or less and then display the total salary.
4. Write a program that inputs an alphabet from the user and tells whether it is a vowel or a consonant using switch structure. (lower and upper case inputs should also be managed properly).
5. Write a program that inputs two numbers from the user. Then ask the user enter his choice of operation. 1 for addition, 2 for subtraction, 3 for multiplication and 4 for division. Store this choice from user in a variable. Then the screen should be clear after the user enters his choice and display only the specific operation result on the screen.
6. Write a program that gets a three-digit number from the user and display it in reverse order. For example, if the user enters 123, it displays 321.
7. Take 10 integer inputs from user and store them in an array. Again ask user to give a number. Now, tell user whether that number is present in array or not.

1. Take 10 integer inputs from user and store them in an array. Now calculate the sum and product of all the elements present in the array and display the results.
2. Take 10 integer inputs from user and store them in an array. Now find the maximum and minimum number in the array.