

Operating System and Shell Programming
MCA-2nd Sem
Practical Assignment

Jan-June 2025

- 1) Write a shell script to enter your name, program name and enrolment number and print it on the screen.
- 2) Write a shell script to find the sum, the average and the product of the four integers entered by the user.
- 3) Write a shell script to exchange the values of two variables.
- 4) Write a shell script to find the largest and smallest among the three given numbers.
- 5) Write a shell script to find the lines containing a number in a file.
- 6) Write a shell script to display the digits which are at odd position in a given 5-digit number.
- 7) Write a shell script to reverse the digits of five-digit integer.
- 8) Write a shell script to search for a given number from the list of numbers provided using binary search method.
- 9) Write a shell script to find the position of substring in given string.
- 10) Write a shell script to display the alternate digits in a given 7-digit number starting from the first digit.
- 11) Write a shell script to check whether a given string is palindrome or not.
- 12) Write a shell script to convert all the contents into the uppercase in a particular file.
- 13) Write a shell script to count number of words, characters, white spaces and special symbols in a given text.
- 14) Write a shell script to find factorial of given number.
- 15) Write a shell script to sort the given numbers in descending order using Bubble sort.
- 16) Write a shell script to find the sum of all the digits in a given 5-digit number.
- 17) Write a shell script to check whether given year is leap year or not.
- 18) Write a shell script to find occurrence of particular digit in an input number.
- 19) Write a shell script to generate Fibonacci series.
- 20) Write a shell script for printing an array in reverse order.
- 21) Write a shell script to find the index of your best friend name in an array.
- 22) Generate a simple calculator using shell script.