

Academic Lesson Plan of Summer 2023

Discipline: Information Technology	Semester : 4th	Name of the Teaching faculty: ManalisaGiri
Subject:	No.of Days/per week class allotted : 03	Semester from date:14/02/2023 to 23/05/2023
Operating System Lab	Class Day	No. of weeks: 15
		Theory / Practical Topics
1 st week	1st	Write a Shell script to print the command line arguments in reverse order. Write a Shell script to check whether the given number is palindrome or not
2 nd week	1st	Write a Shell script to sort the given array elements in ascending order using bubble sort.
3 rd week	1st	Write a Shell script to perform sequential search on a given array elements. Write a Shell script to perform binary search on a given array elements.
4 th week	1st	Write a Shell script to accept any two file names and check their file permissions.
5 th week	1st	Write a Shell script to read a path name, create each element in that path e.g: a/b/c i.e., 'a' is directory in the current working directory, under 'a' create 'b', under 'b' create 'c'
6 th week	1st	Write a Shell script to illustrate the case-statement.
7 th week	1st	Write a Shell script to accept the file name as arguments and create another shell script, which recreates these files with its original contents.
8 th week	1st	Write a Shell script to demonstrate Terminal locking. Write a Shell script to accept the valid login name, if the login name is valid then print its home directory else an appropriate message.
9 th week	1st	Write a Shell script to read a file name and change the existing file permissions.
10 th week	1st	Write a Shell script to print current month calendar and to replace the current day number by '*' or '**' respectively.
11 th week	1st	Write a Shell Script to display a menu consisting of options to display disk space, the current users logged in, total memory usage, etc. (using functions.)
12 th week	1st	Write a C-program to fork a child process and execute the given Linux commands.
13 th week	1st	Write a C-program to fork a child process, print owner process ID and its parent process ID.
14 th week	1st	Write a C-program to prompt the user for the name of the environment variable, check its validity and print an appropriate message.
15 th week	1st	Write a C-program to READ details of N students such as student name, reg number, semester and age. Find the eldest of them and display his details.