SSN COLLEGE OF ENGINEERING
(Autonomous - Affiliated to Anna University)
DEPARTMENT OF CSE

UGE2197 PROGRAMMING IN PYTHON LABORATORY

Ex 1: Linux Shell Commands & Python in Interactive Mode

Study the following and record your observation with examples for section A and B

A. Define the following terms:

1. Computer
2. Hardware
3. Software
4. Types of Software
5. High level language
6. Assembly level language
7. Machine level language
8. Operating systems
9. Compiler
10. Interpreter
11. Editor
12. Shell

B. Linux Shell Commands:

1. File and directory commands
    a. ls, ls -l
    b. cd, cd .., cd /, cd ~
    c. mkdir
    d. cat (displaying, creating, appending options)
    e. cp
    f. mv
    g. chmod
    h. wc
    i. find
2. System related commands
    a. who
    b. whoami
    c. pwd
    d. date
    e. man
    f. echo
    g. cal
    h. bc

3. Create a new directory named “SSN”, a subdirectory "BE" under SSN and create a file named “firstyear.txt” and write about the SSN orientation programme.
4. Rename the firstyear.txt file as orientation.txt
5. Give all permissions to user and only reading permission to others
6. Create a file "AboutMe.txt". Write about yourself and your ambitions.
7. Create two directories namely “dept_x” (x being your dept name) , “SEC_X” inside “SSN” folder.
8. Create a file named “dept.txt” and write about your department in that file.

9. Copy the file named “first_year.txt” to “SEC_X” folder.
10. Move the file “dept.txt” to “SEC_X” folder.
11. Enter into folder “SEC_X” and list the folder content.
12. Move to “SSN” folder and list all the contents.

C. Working in Python Interactive Mode:

1. Create a variable named *num1* with some integer value and display the value & its datatype.

2. Create another variable named *num2* with some integer value and display its datatype. Use the same variable to store a floating value and write your inference.

3. Create a variable *name* with your name as input

4. Display the value of *num1, num2* and *name*.

5. Display the type of *num1, num2* and *name.*

6. Display “Hello “along with your *name*.

7. Find the output of 4+6*7 /2 directly.

8. Find the output of 4+5*7 /3 directly.

9. Find the output of 4+5*7 //3 directly.

10. Find the output of num1 raised to power of num2

11. Get the input from the user and display the value.