

UNIX ASSIGNMENT

Assignment-1

1. Write a shell script to calculate i) simple interest
ii) Area of circle
2. Write a shell script to calculate salary from given basic.
Salary = basic + dp + da +hra +ma –pf
basic – to be taken as input
dp - 50 % of basic
da - 35 % of (basic + dp)
hra - 8 % of (basic + dp)
ma - 3 % of (basic + dp)
pf - 10% of (basic + dp)
3. Write a shell script to calculate the average of a set of N number.
4. Write a Unix shell script to find the sum of number to given number.
e.g. if entered number is 5 then 1+2+3+4+5
5. Write a shell script to perform like calculator. It should ask for the number and operand from the user.

Assignment-2

1. Write a shell script to calculate the area of rectangle. It should take the value from the command line.
2. Write a shell script to take two numbers from command line and show result of dividing small number with bigger number. Also note that it should not accept zero or negative number. If user enter zero or negative number then it should prompt to input correct number after displaying proper message.
3. Write a Unix Shell Script which prints the following
 - a. Current home directory.
 - b. Current user name.
 - c. The message "Today is :" with current date in MM/dd/yy format

- d. The message "No of users logged in :" with total no of current logged in users
- e. The message "Terminal :" With you own terminal number
- 4. Write a shell script to create a command line calculator.
e.g. input : mycal 5 + 5
Result : 10 , input : mycal 5 / 5
result : 15.
- 5. Write a shell script that that takes as command line input a number N and a Word. it then prints the word n times., one word per line

Assignment-3

1. Write a shell script to rename file having extension sh to exe.
2. Write a Unix shell script to accept 10 number and tell how many are +tive, -tive and zero. Also display the in ascending order.
3. Write a shell script to examine all the number from 1 to 999 and display all those number whose sum of cube of the digit is equal to the number.
e.g. $371 = 3^3 + 7^3 + 1^3$
4. Write a shell script to display Date in different format along with Time.
5. Write a shell script to accept five number and display max and min value. If any two or three or four values are same then display proper message.

Assignment-4

1. Write a shell script to find out how many file and directory are their in current directory. Also list the file and directory name separately.
2. Write a shell script to create a menu driven program for adding, deletion or finding a record in a database. Database should have

the field like rollno, name, semester and marks of three subjects.
Last option of the menu should be to exit the menu.