

SHELL PROGRAMMING LAB

ASSIGNMENT-7

SUBMITTED BY:

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EXPERIMENT – 9

TITLE: Shell Scripts implementing Control Structure

Activities:

1. Write a shell script that computes the gross salary of a employee according to the following rules: i)If basic salary is < 1500 then HRA =10% of the basic and DA =90% of the basic. ii)If basic salary is >=1500 then HRA =Rs500 and DA=98% of the basic The basic salary is entered interactively through the key board.

```
1 #! /bin/sh
 2 read -p "Enter the salary : " base
 3 base2=`expr $base / 100
 4 if [ $base -lt 1500 ]
 5 then
           echo "first"
 6
 7
           value=$(($base + (($base2*2)) + (($base2*90))))
 8
           echo "The gross salary " $value
9 else
10
           echo "second"
           value=$(($base + 500 + (($base2*98))))
11
           echo "The gross salary " $value
12
13 fi
```

2. Write a shell script that uses the for and while loop construct respectively to print the message "I Study in UPES" 5 times.

```
root@Ayush500086400:~/Desktop/lab7# ./second.sh
I am in UPES
WHILE LOOP
I am in UPES : 5
I am in UPES : 4
I am in UPES : 3
I am in UPES : 2
I am in UPES : 1
root@Ayush500086400:~/Desktop/lab7#
```

3. Find the maximum value from the three numbers entered by the user.

```
root@Ayush500086400:~/Desktop/lab7# ./third.sh
Enter the first number : -900
Enter the second number : -300
Enter the third number : -1
The Maximum value is : -1
root@Ayush500086400:~/Desktop/lab7#

| Bass | Bass
```

4. Accept two strings from the user and compare them using suitable string operators.

```
1 #! /bin/sh
2 read -p "Enter the first String : " str1
3 read -p "Enter the second String : " str2
4
5 if [ $str1 = $str2 ]
6 then
7    echo "Equal"
8 else
9    echo "Un Equal"
10 fi
```

