G. H. Raisoni College Of Engineering And Management, Wagholi Pune

2021- 2022

Assignment no :- 2

Department	CE [SUMMER 2022 (Online)]		
Term / Section	IV/B	Date Of **submission**	20-02-2022
Subject Name /Code	Computer Networks /UCOL205		
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Assignment no 2.

AIM → write a program in Shell for printing table of any number

Theory → As most programming languages have the concept of loops Shell. programming language is not different from the + regdiation.

If we want to repeat a task multipe times we wan't be taking efforts to type the code for multiple times, using loops thing can be made for easy

we have [For] and [While] loops in shell programm language

(1) For loop

Syntax →
#! /bin/sh

```
for i in 1 2 3 4 5
do
     echo " $i "
done
```

(2) while loop
#! /bin/sh

```
InputString = "hello"
while [ "$InputString" != "bye" ]
do
```

```
    echo "please type her"
    read "Inputstring
    echo " you typed : $ Inputstring" |
done
```

Conclusion :→

Thus, we learnt the pointing methods in shell programming language, and Successfully printed table of any number.

Assignment no 2

```sh
#!/bin/sh
echo "Pratahm pittty os assingnment no 2
echo "Enter NO.:"
read no
echo "Enter range:"
read r
i=1
while test $i -le $r
do
        temp=`expr $no \* $i`
        echo "$no * $i = $temp"
        i=`expr $i + 1`
done
echo
echo    "Using for loop"
echo    "which table do you what to print ?"
read    a

for i in 1 2 3 4 5 6 7 8 9 10
do
        temps=`expr $a \* $i`
        echo "$a * $i = $temps"
done
```

```
(pratham@pratham)-[~/Videos/os_assignment]
$ ./assignment2_whileloop.sh
Enter NO.:
7
Enter range:
10
7 * 1 = 7
7 * 2 = 14
7 * 3 = 21
7 * 4 = 28
7 * 5 = 35
7 * 6 = 42
7 * 7 = 49
7 * 8 = 56
7 * 9 = 63
7 * 10 = 70

Using for loop
which table do you what to print ?
7
7 * 1 = 7
7 * 2 = 14
7 * 3 = 21
7 * 4 = 28
7 * 5 = 35
7 * 6 = 42
7 * 7 = 49
7 * 8 = 56
7 * 9 = 63
7 * 10 = 70

(pratham@pratham)-[~/Videos/os_assignment]
$
```