

PRATICAL-09

AIM: To implement shell script.

1. Write a program to print hello World ! Ankit

The screenshot shows a terminal window with a blue header bar labeled "main.bash". The main area contains the following code:

```

1 echo "Hello World !! Ankit";

```

Below the code, there is a toolbar with icons for file operations. The bottom part of the terminal shows the output of the command:

```

Hello World !! Ankit

```

4. Write a program to take input from the user and add numbers :

The screenshot shows a terminal window with a blue header bar labeled "main.bash". The main area contains the following code:

```

1 echo "Enter First number: "
2 read num1
3 echo "Enter another number: "
4 read num2
5 sum=$((num1 + num2))
6 echo "The sum is: $sum"
7

```

On the right side of the terminal, the user's input and the program's output are shown:

```

Enter First number: 50
Enter another number: 45
The sum is: 95

```

5. Write a program to check whether an individual is eligible to vote :

The screenshot shows a terminal window with a blue header bar labeled "main.bash". The main area contains the following code:

```

1 echo "Enter your age: "
2 read Age
3
4 if [ "$Age" -ge 18 ]; then
5     echo "You are eligible to vote."
6 else
7     echo "You are not eligible to vote."
8 fi

```

On the right side of the terminal, the user's input and the program's output are shown:

```

Enter your age: 32
You are eligible to vote.

Enter your age: 15
You are not eligible to vote.

```

6. Write a program to print the day of the week using a switch case :

The screenshot shows a terminal window with a blue header bar labeled "main.bash". The main area contains the following code:

```

1 echo "Enter a number (1-7) for the day of the week: "
2 read day
3 case $day in
4     1) echo "Sunday" ;;
5     2) echo "Monday" ;;
6     3) echo "Tuesday" ;;
7     4) echo "Wednesday" ;;
8     5) echo "Thursday" ;;
9     6) echo "Friday" ;;
10    7) echo "Saturday" ;;
11    *) echo "Invalid input! Please enter a number between 1 and 7." ;;
12 esac

```

On the right side of the terminal, the user's input and the program's output are shown:

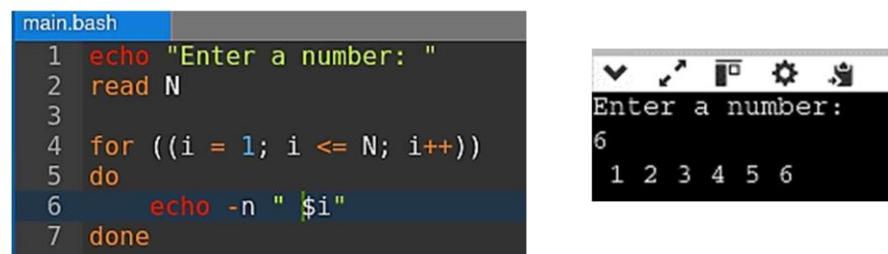
```

Enter a number (1-7) for the day of the week:
6
Friday

```

7. Write a program To Print N Number Using For ,While And Until Loop :

a. using for loop



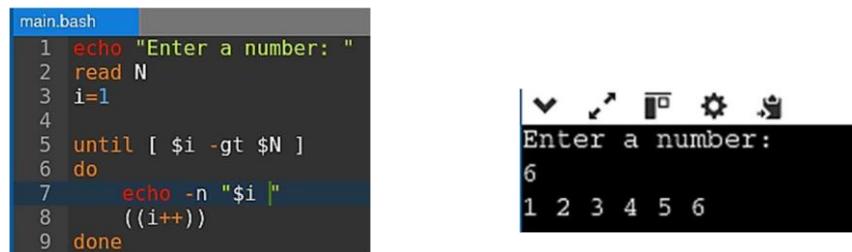
```
main.bash
1 echo "Enter a number: "
2 read N
3
4 for ((i = 1; i <= N; i++))
5 do
6   echo -n "$i"
7 done
```

b. using while loop



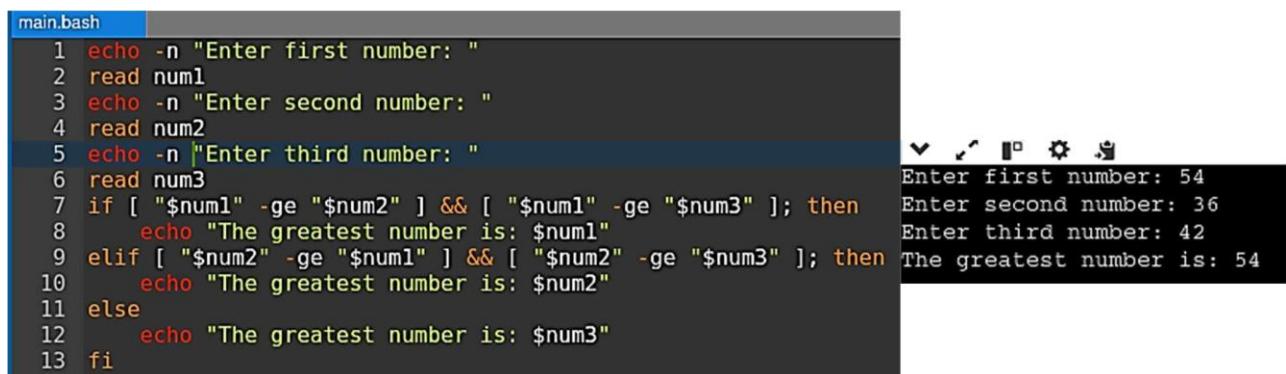
```
main.bash
1 echo "Enter a number: "
2 read N
3 i=1
4
5 while [ $i -le $N ]
6 do
7   echo -n "$i"
8   ((i++))
9 done
```

c. using until loop



```
main.bash
1 echo "Enter a number: "
2 read N
3 i=1
4
5 until [ $i -gt $N ]
6 do
7   echo -n "$i"
8   ((i++))
9 done
```

8. Write a program to find greatest number between three number :



```
main.bash
1 echo -n "Enter first number: "
2 read num1
3 echo -n "Enter second number: "
4 read num2
5 echo -n "Enter third number: "
6 read num3
7 if [ "$num1" -ge "$num2" ] && [ "$num1" -ge "$num3" ]; then
8   echo "The greatest number is: $num1"
9 elif [ "$num2" -ge "$num1" ] && [ "$num2" -ge "$num3" ]; then
10  echo "The greatest number is: $num2"
11 else
12  echo "The greatest number is: $num3"
13 fi
```