Practical 3 : Write a shell script to display multiplication table of given number.

```
echo "My name is nakul dhrangadhariya"
echo "My enrollment number is 92410103118"
echo "My class is EC5-C"
echo "Enter a number to display its multiplication"
read n
if ! [[ "$n" =~ ^[0-9]+$ ]]; then
   echo "Invalid input!!"
   exit 1
fi
echo "Multiplication table for $n"
for ((i = 1; i <= 10; i++)); do
   echo "$n x $i = $((n * i))"
done
```

output :

```
My name is nakul dhrangadhariya
My enrollment number is 92410103118
My class is EC5-C
Enter a number to display its multiplication
11
Multiplication table for 11
11 into x 1= 11
11 into x 2= 22
11 into x 3= 33
11 into x 4= 44
11 into x 5= 55
11 into x 6= 66
11 into x 7= 77
11 into x 8= 88
11 into x 9= 99
11 into x 10= 110
```

main.bash

```bash
echo "my name is nakul dhrangdhariya"
echo "my enrollment no. is 92410103118"
echo "my class is EC5-C"

echo "enter a number to display its multiplication"
read number
if ! [[ "$number" =~ ^[0-9]+$ ]]; then
echo "valid input"
exit 1
fi
echo "multiplication table for $number"
for ((i=1;i<=10;i++))do
echo "$number into x $i= $((number*i))"
done
```

Figure 3.1 : program to print table of given number

```
my name is nakul dhrangdhariya
my enrollment no. is 92410103118
my class is EC5-C
enter a number to display its multiplication
11
multiplication table for 11
11 into x 1= 11
11 into x 2= 22
11 into x 3= 33
11 into x 4= 44
11 into x 5= 55
11 into x 6= 66
11 into x 7= 77
11 into x 8= 88
11 into x 9= 99
11 into x 10= 110
```

Figure 3.2 : output of table printing program