Assignment No.02

Name: - Omprakash Khawshi

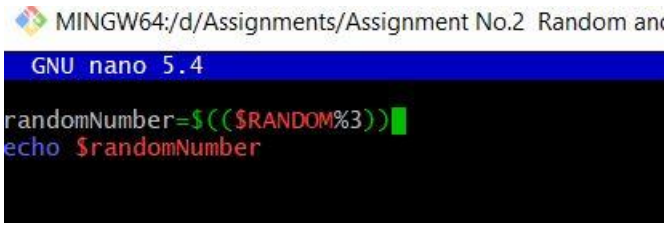
****

Q.1 Use Random Function ((RANDOM)) to get Single Digit

RANDOM is a shell variable that is used to generate random integers in Linux. It is an internal bash command that returns a pseudo-random 16-bit integer in the range 0 – 32767. It returns a different integer at each invocation.

Code: -

```
randomNumber=$(($RANDOM%3))
echo $randomNumber
```

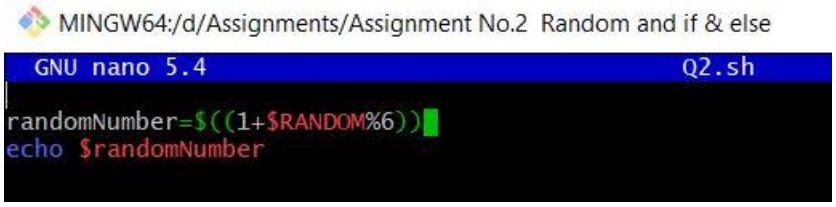


Output: -

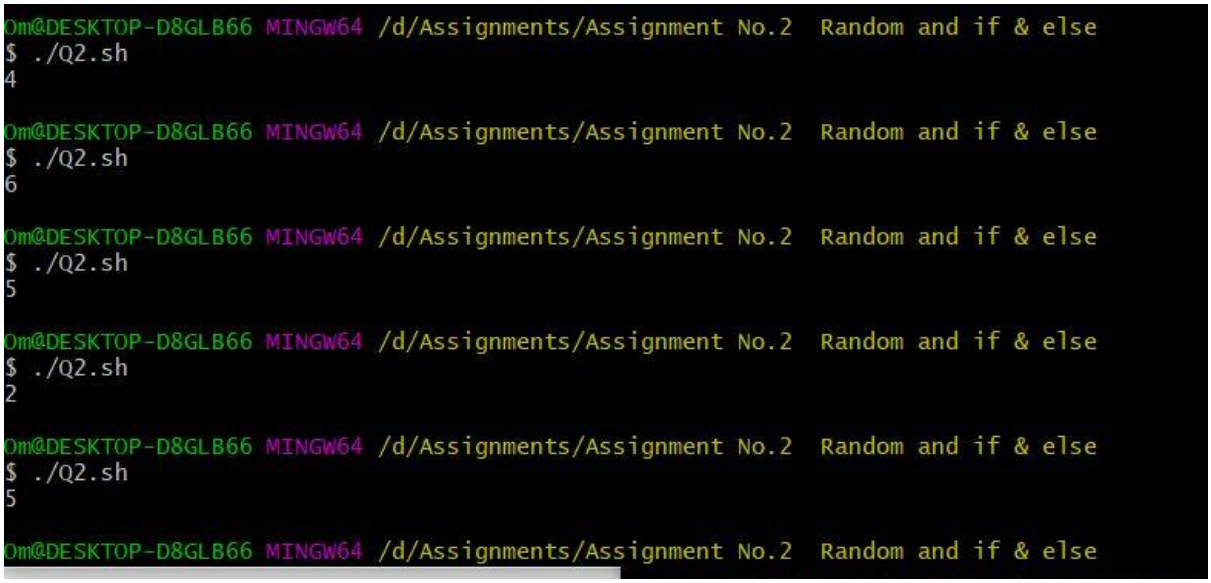
Q.2 Use Random to get Dice Number between 1 to 6

Code: -

randomNumber=$((1+$RANDOM%6))
echo $randomNumber



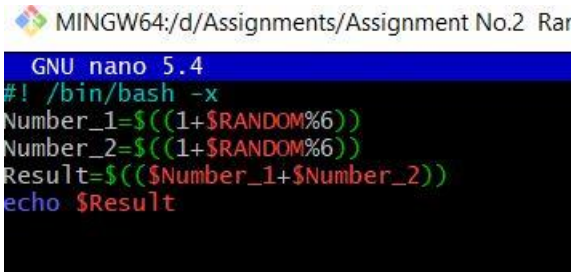
Output: -



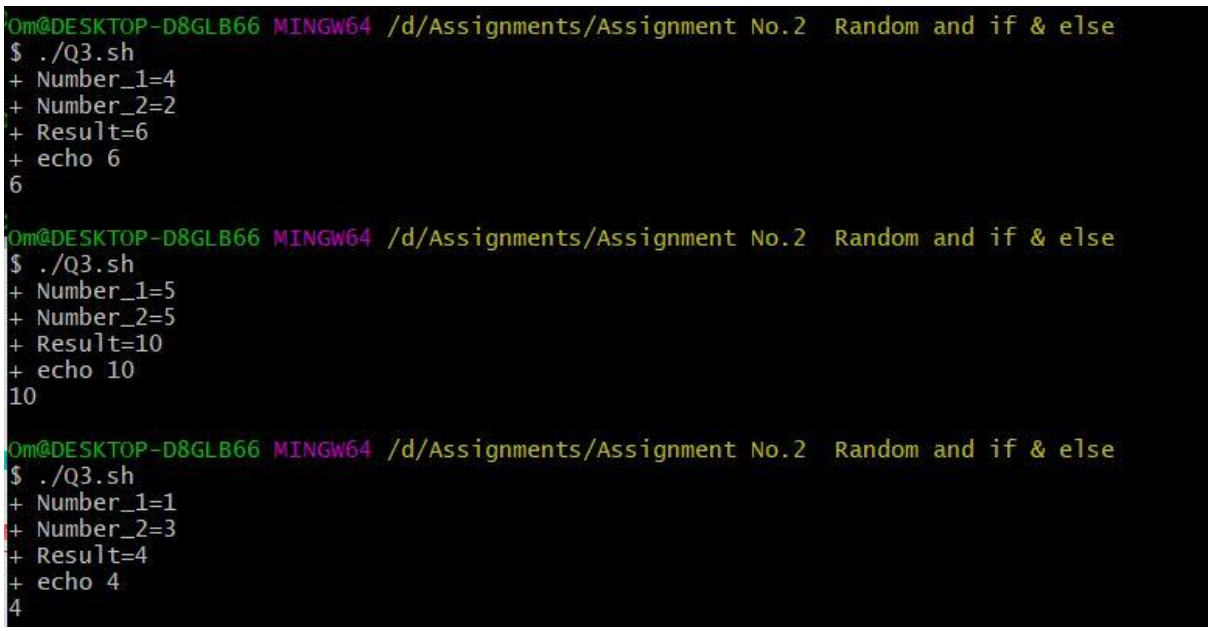
Q.3 Add two Random Dice Number and Print the Result.

Code: -

```
#! /bin/bash -x
Number_1=$((1+$RANDOM%6))
Number_2=$((1+$RANDOM%6))
Result=$(($Number_1+$Number_2))
echo $Result
```



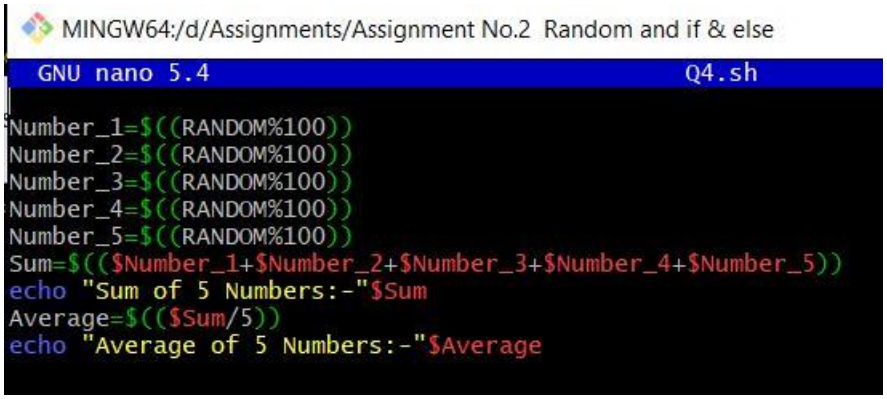
Output: -



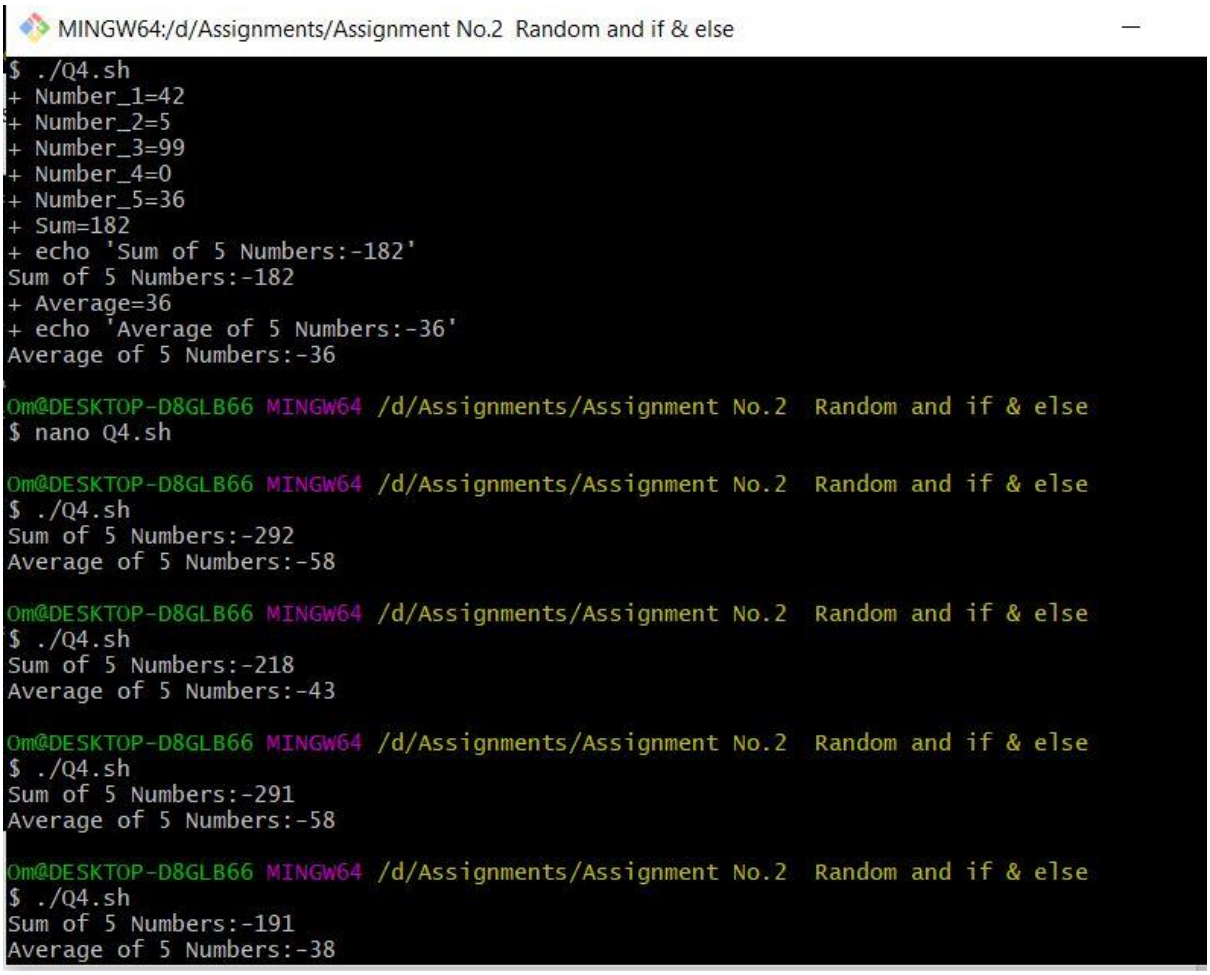
Q.4 Write a program that reads 5 Random 2 Digit values , then find their sum and the average

Code: -

```
Number_1=$((RANDOM%100))
Number_2=$((RANDOM%100))
Number_3=$((RANDOM%100))
Number_4=$((RANDOM%100))
Number_5=$((RANDOM%100))
Sum=$(($Number_1+$Number_2+$Number_3+$Number_4+$Number_5))
echo "Sum of 5 Numbers:-"$Sum
Average=$(($Sum/5))
echo "Average of 5 Numbers:-"$Average
```



Output: -


MINGW64:/d/Assignments/Assignment No.2 Random and if & else
$ ./Q4.sh
+ Number_1=42
+ Number_2=5
+ Number_3=99
+ Number_4=0
+ Number_5=36
+ Sum=182
+ echo 'Sum of 5 Numbers:-182'
Sum of 5 Numbers:-182
+ Average=36
+ echo 'Average of 5 Numbers:-36'
Average of 5 Numbers:-36
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else
$ nano Q4.sh
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else
$ ./Q4.sh
Sum of 5 Numbers:-292
Average of 5 Numbers:-58
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else
$ ./Q4.sh
Sum of 5 Numbers:-218
Average of 5 Numbers:-43
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else
$ ./Q4.sh
Sum of 5 Numbers:-291
Average of 5 Numbers:-58
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else
$ ./Q4.sh
Sum of 5 Numbers:-191
Average of 5 Numbers:-38

Q.5 Unit Conversion

a. 1ft = 12 in then 42 in =? ft

b. Rectangular Plot of 60 feet x 40 feet in meters

c. Calculate area of 25 such plots in acre

Code: -

```
echo -ne " 1.Inches to feets\n 2.Rectangular Plot of 60 feet x 40 feet in meters \n Enter Your Choice:- "
read Num
case $Num in
1)
        echo " Enter the Inches:- "
        read a
        f2i=$(($a /12))
        echo " Number of feet:- "$f2i
        ;;
2)
        echo " Enter Rectangular Height :- "
        read Height
        echo " Enter Rectangular Width :- "
        read Width
        Rectangular_Area=$(expr $Width \* $Height)
echo " Area of rectangular :-"$Rectangular_Area
plot=$(($Rectangular_Area * 25))
#plot=$(echo "scale=3; $(($Rectangular_Area*25))")
echo " Area of 25 plots of dimension $Width Feet x $Height Feet is:-" $plot Feet
esac
```

Output: -

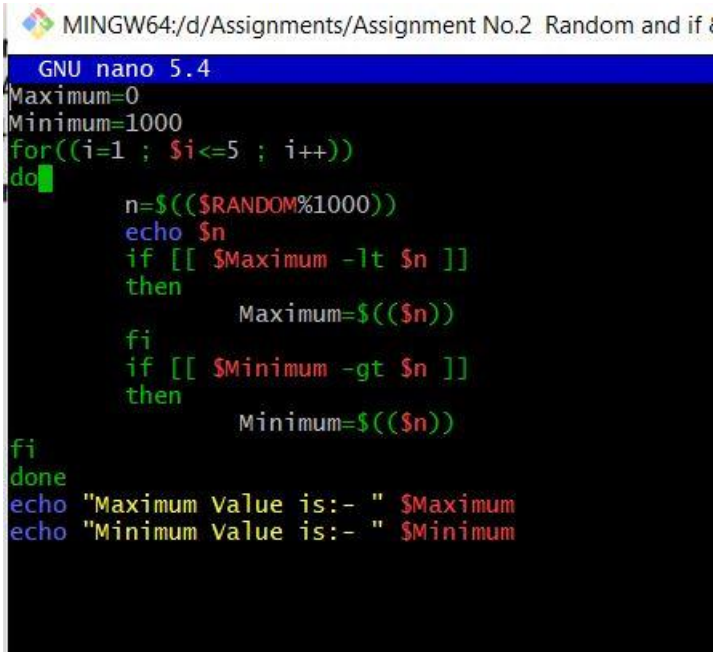
```
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2  Random and if & else
$ ./Q5.sh
 1.Inches to feets
 2.Rectangular Plot of 60 feet x 40 feet in meters
 Enter Your Choice:- 1
 Enter the Inches:-
42
 Number of feet:- 3

Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2  Random and if & else
$ ./Q5.sh
 1.Inches to feets
 2.Rectangular Plot of 60 feet x 40 feet in meters
 Enter Your Choice:- 2
 Enter Rectangular Height :-
5
 Enter Rectangular Width :-
2
 Area of rectangular :-10
 Area of 25 plots of dimension 2 Feet x 5 Feet is:- 250 Feet

Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2  Random and if & else
$
```

If Else

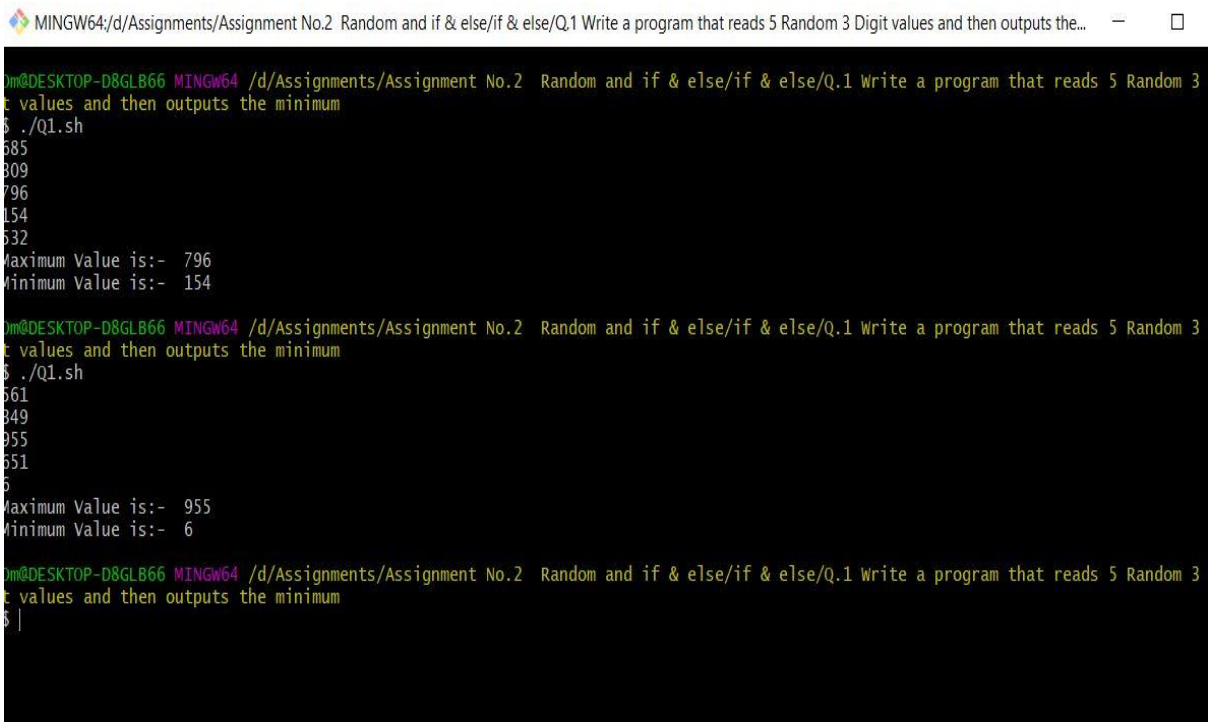
Q.1 Write a program that reads 5 Random 3 Digit values and then outputs the minimum and the maximum value.

Code: -

```
Maximum=0
Minimum=1000
for((i=1 ; $i<=5 ; i++))
do
	n=$(($RANDOM%1000))
	echo $n
	if [[ $Maximum -lt $n ]]
	then
		Maximum=$(($n))
	fi
	if [[ $Minimum -gt $n ]]
	then
		Minimum=$(($n))
fi
done
echo "Maximum Value is:- " $Maximum
echo "Minimum Value is:- " $Minimum
```



Output: -

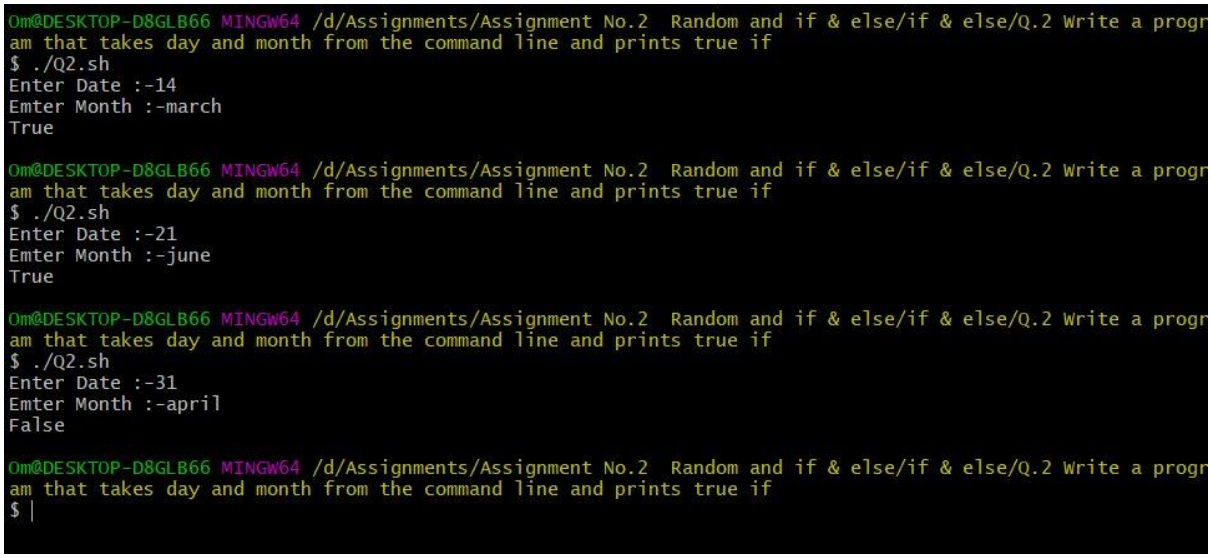

MINGW64:/d/Assignments/Assignment No.2 Random and if & else/if & else/Q.1 Write a program that reads 5 Random 3 Digit values and then outputs the...
dm@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else/if & else/Q.1 Write a program that reads 5 Random 3
t values and then outputs the minimum
$ ./Q1.sh
685
309
796
154
532
Maximum Value is:- 796
Minimum Value is:- 154
dm@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else/if & else/Q.1 Write a program that reads 5 Random 3
t values and then outputs the minimum
$ ./Q1.sh
561
349
955
651
6
Maximum Value is:- 955
Minimum Value is:- 6
dm@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else/if & else/Q.1 Write a program that reads 5 Random 3
t values and then outputs the minimum
$

Q.2 Write a program that takes day and month from the command line and prints true if day of month is between March 20 and June 20, false otherwise.

Code: -

```
#!/bin/bash
read -p "Enter Date :-" Date
read -p "Emter Month :-" Month
if [[ $Month -eq "march" && $Date -gt 20 && $Date -lt 31 ]]
then echo "True"
elif [[ $Month -eq "april" && $Date -lt 30 ]]
then echo "True"
elif [[ $Month -eq "may" && $Date -lt 31 ]]
then echo "True"
elif [[ $Month -eq "june" && $Date -lt 20 ]]
then echo "True"
else
echo "False"
fi
```

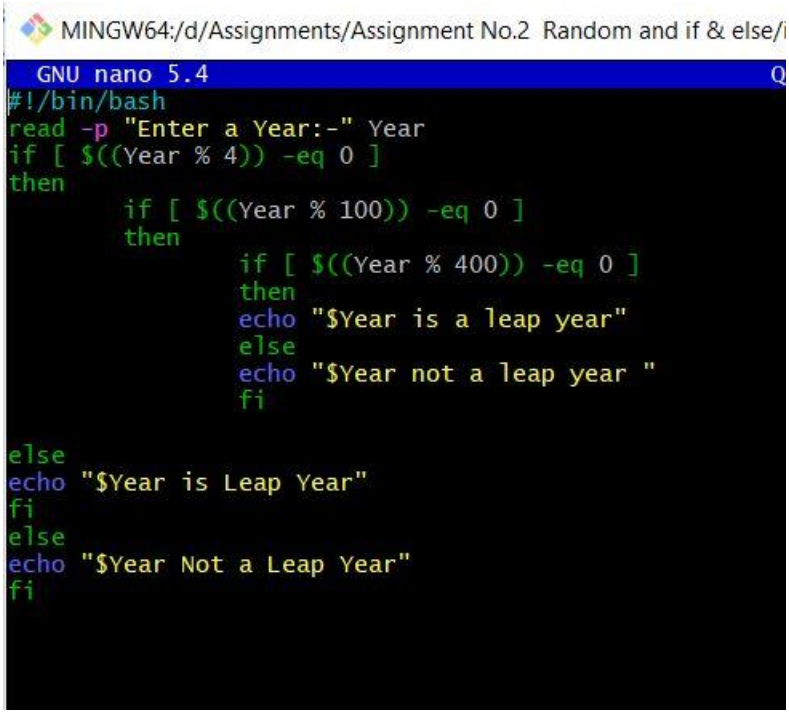
Output: -


Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else/if & else/Q.2 Write a progr
am that takes day and month from the command line and prints true if
$ ./Q2.sh
Enter Date :-14
Emter Month :-march
True
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else/if & else/Q.2 Write a progr
am that takes day and month from the command line and prints true if
$ ./Q2.sh
Enter Date :-21
Emter Month :-june
True
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else/if & else/Q.2 Write a progr
am that takes day and month from the command line and prints true if
$ ./Q2.sh
Enter Date :-31
Emter Month :-april
False
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else/if & else/Q.2 Write a progr
am that takes day and month from the command line and prints true if
$

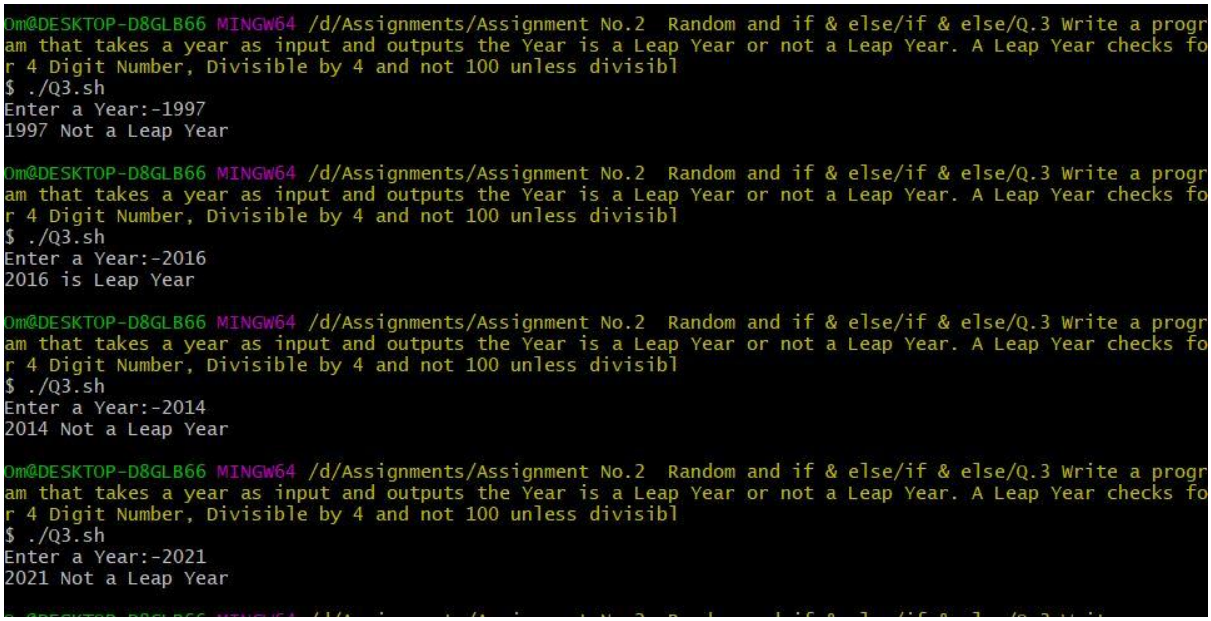
Q.3 Write a program that takes a year as input and outputs the Year is a Leap Year or not a Leap Year. A Leap Year checks for 4 Digit Number, Divisible by 4 and not 100 unless divisible by 400.

Code: -

```
#!/bin/bash
read -p "Enter a Year:-" Year
if [ $((Year % 4)) -eq 0 ]
then
        if [ $((Year % 100)) -eq 0 ]
        then
                if [ $((Year % 400)) -eq 0 ]
                then
                echo "$Year is a leap year"
                else
                echo "$Year not a leap year "
                fi

else
echo "$Year is Leap Year"
fi
else
echo "$Year Not a Leap Year"
fi
```



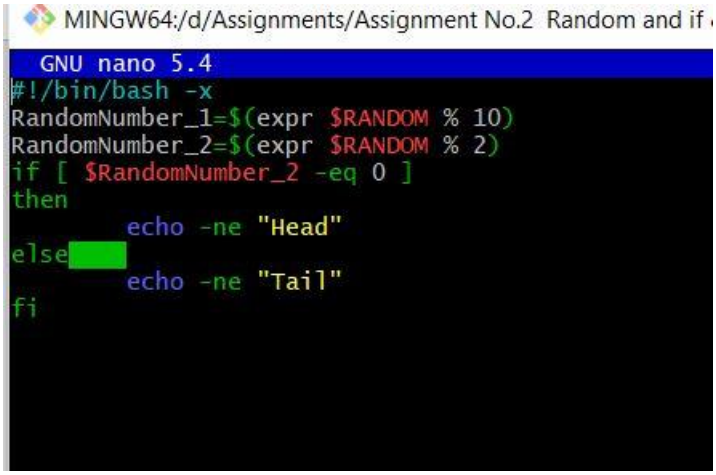
Output: -


Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else/if & else/Q.3 Write a progr
am that takes a year as input and outputs the Year is a Leap Year or not a Leap Year. A Leap Year checks fo
r 4 Digit Number, Divisible by 4 and not 100 unless divisibl
$ ./Q3.sh
Enter a Year:-1997
1997 Not a Leap Year
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else/if & else/Q.3 Write a progr
am that takes a year as input and outputs the Year is a Leap Year or not a Leap Year. A Leap Year checks fo
r 4 Digit Number, Divisible by 4 and not 100 unless divisibl
$ ./Q3.sh
Enter a Year:-2016
2016 is Leap Year
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else/if & else/Q.3 Write a progr
am that takes a year as input and outputs the Year is a Leap Year or not a Leap Year. A Leap Year checks fo
r 4 Digit Number, Divisible by 4 and not 100 unless divisibl
$ ./Q3.sh
Enter a Year:-2014
2014 Not a Leap Year
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else/if & else/Q.3 Write a progr
am that takes a year as input and outputs the Year is a Leap Year or not a Leap Year. A Leap Year checks fo
r 4 Digit Number, Divisible by 4 and not 100 unless divisibl
$ ./Q3.sh
Enter a Year:-2021
2021 Not a Leap Year

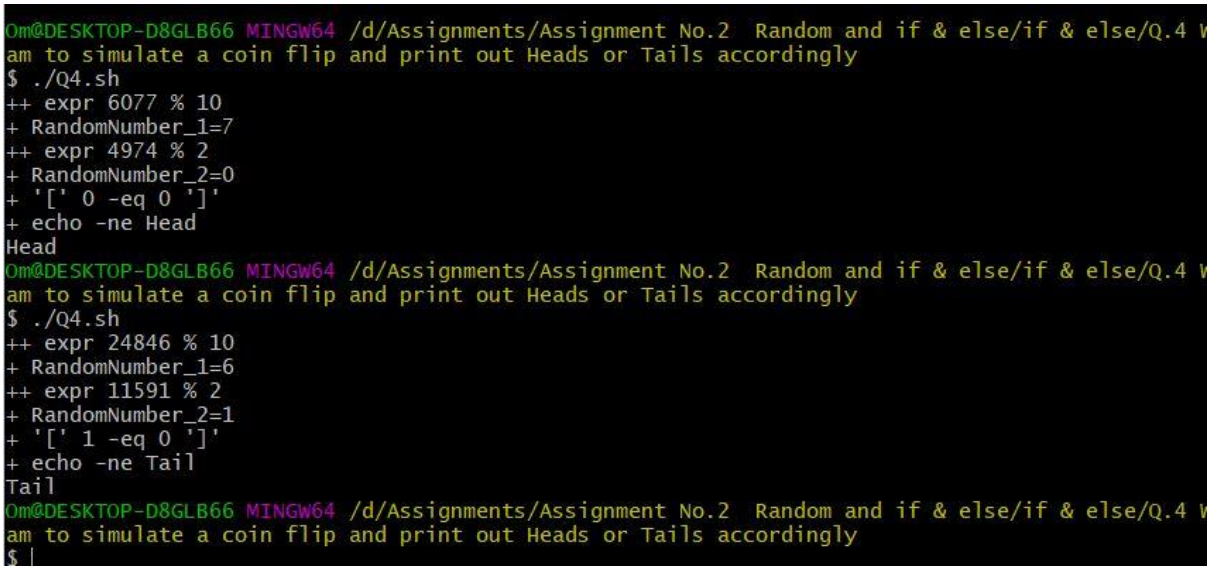
Q.4 Write a program to simulate a coin flip and print out "Heads" or "Tails" accordingly.

Code: -

```
#!/bin/bash -x
RandomNumber_1=$(expr $RANDOM % 10)
RandomNumber_2=$(expr $RANDOM % 2)
if [ $RandomNumber_2 -eq 0 ]
then
	echo -ne "Head"
else
	echo -ne "Tail"
fi
```



Output: -



if, elif and else

Q.1 Read a single digit number and write the number in word

Code: -

```
read -p "Enter a Number between 1 to 9 :-" Number
if(($Number ==1))
then
	echo "One";
elif(($Number ==2))
then
	echo "$Number Two"
elif(($Number ==3))
then
	echo "$Number Three"
elif(($Number ==4))
then
	echo "$Number Four"
elif(($Number ==5))
then
	echo "$Number Five"
elif(($Number ==6))
then
	echo "$Number Six"
elif(($Number ==7))
then
	echo "$Number Seven"
elif(($Number ==8))
then
	echo "$Number Eight"
elif(($Number ==9))
then
	echo "$Number Nine"
else
	echo "Enter Number between 1 to 9 "
fi
```

MINGW64:/d/Assignments/Assignment No.2 Random and if & else/if, e

```
  GNU nano 5.4
read -p "Enter a Number between 1 to 9 :-" Number
if(($Number ==1))
then
        echo "One";
elif(($Number ==2))
then
        echo "$Number Two"
elif(($Number ==3))
then
        echo "$Number Three"
elif(($Number ==4))
then
        echo "$Number Four"
elif(($Number ==5))
then
        echo "$Number Five"
elif(($Number ==6))
then
        echo "$Number Six"
elif(($Number ==7))
then
        echo "$Number Seven"
elif(($Number ==8))
then
        echo "$Number Eight"
elif(($Number ==9))
then
        echo "$Number Nine"
else
        echo "Enter Number between 1 to 9 "
fi
```

Output: -

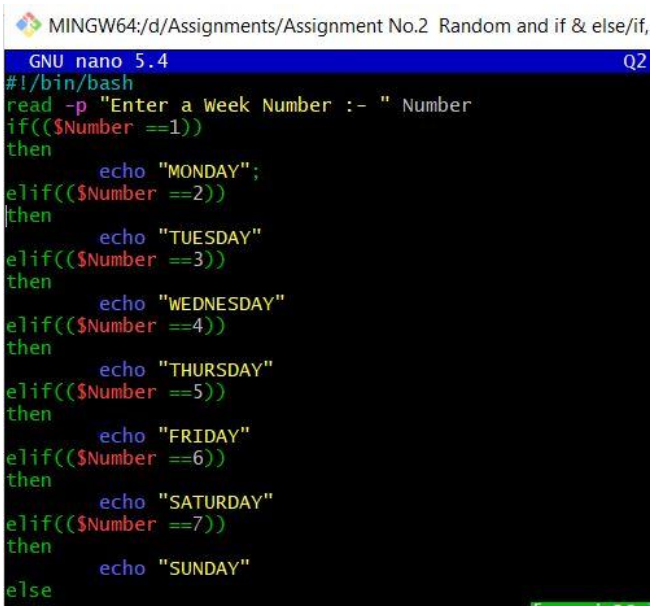
MINGW64:/d/Assignments/Assignment No.2 Random and if & else/if, elif and else/Q.1 Read a single digit nur

```
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2  Random and if & else/if, e
a single digit number and write the number in word
$ ./Q1.sh
Enter a Number between 1 to 9 :-4
4 Four

Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2  Random and if & else/if, e
a single digit number and write the number in word
$ ./Q1.sh
Enter a Number between 1 to 9 :-5
5 Five

Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2  Random and if & else/if, e
a single digit number and write the number in word
$ ./Q1.sh
Enter a Number between 1 to 9 :-8
8 Eight
```

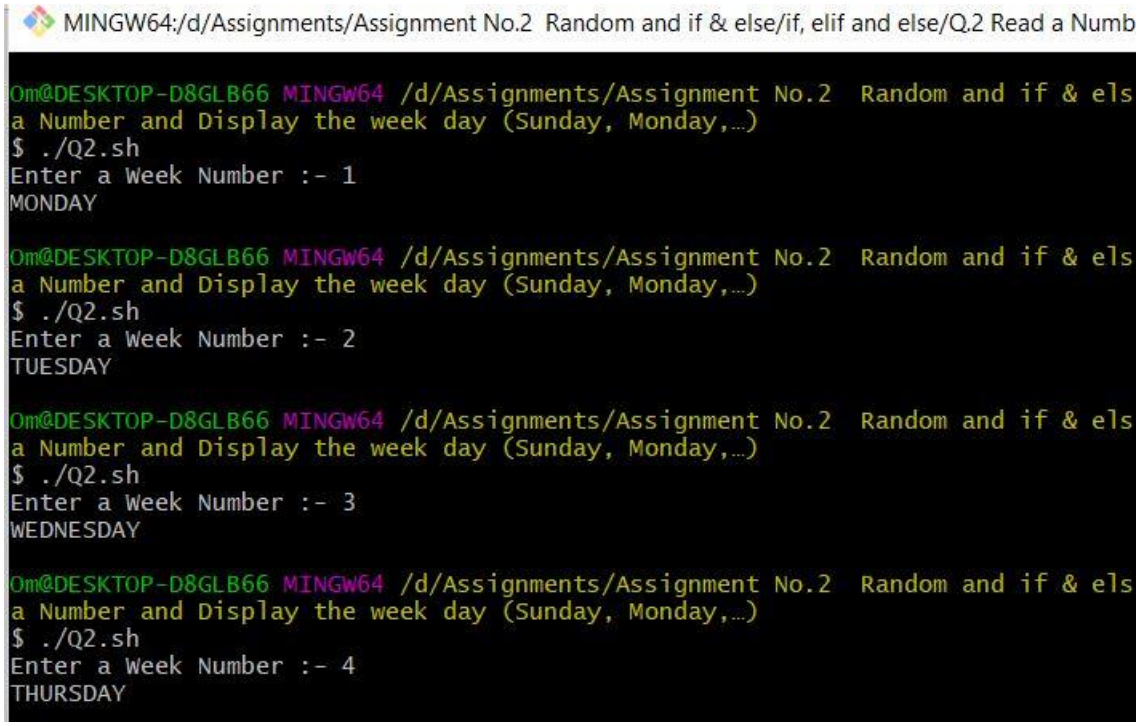
Q.2 Read a Number and Display the week day (Sunday, Monday,…)

Code: -

```
#!/bin/bash
read -p "Enter a Week Number :- " Number
if(($Number ==1))
then
	echo "MONDAY";
elif(($Number ==2))
then
	echo "TUESDAY"
elif(($Number ==3))
then
	echo "WEDNESDAY"
elif(($Number ==4))
then
	echo "THURSDAY"
elif(($Number ==5))
then
	echo "FRIDAY"
elif(($Number ==6))
then
	echo "SATURDAY"
elif(($Number ==7))
then
	echo "SUNDAY"
else
```



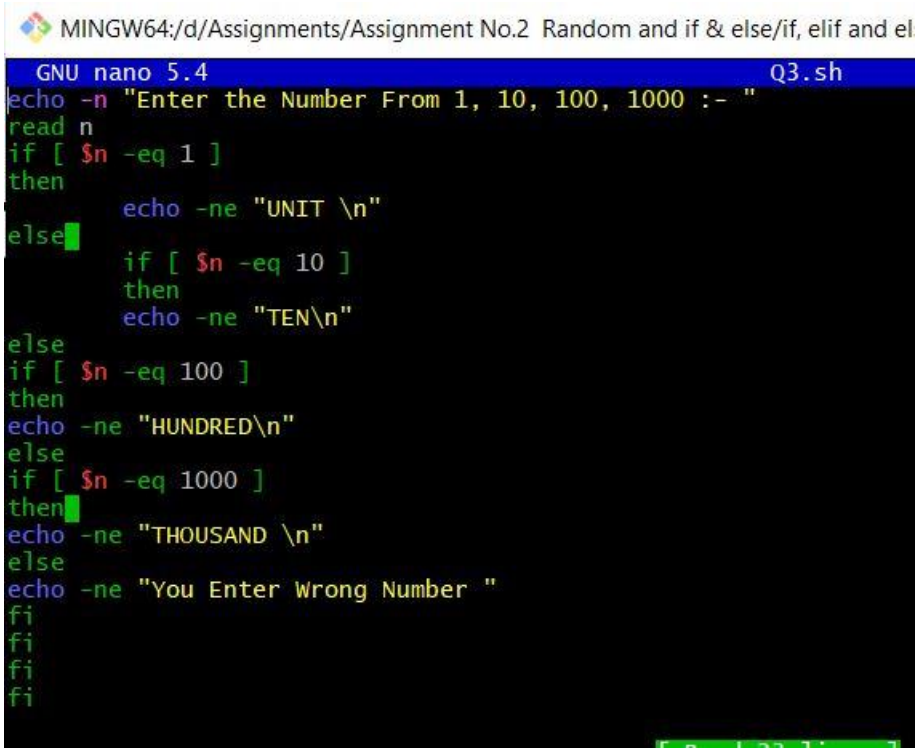
Output: -


MINGW64:/d/Assignments/Assignment No.2 Random and if & else/if, elif and else/Q.2 Read a Numb
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & els
a Number and Display the week day (Sunday, Monday,…)
$ ./Q2.sh
Enter a Week Number :- 1
MONDAY
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & els
a Number and Display the week day (Sunday, Monday,…)
$ ./Q2.sh
Enter a Week Number :- 2
TUESDAY
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & els
a Number and Display the week day (Sunday, Monday,…)
$ ./Q2.sh
Enter a Week Number :- 3
WEDNESDAY
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & els
a Number and Display the week day (Sunday, Monday,…)
$ ./Q2.sh
Enter a Week Number :- 4
THURSDAY

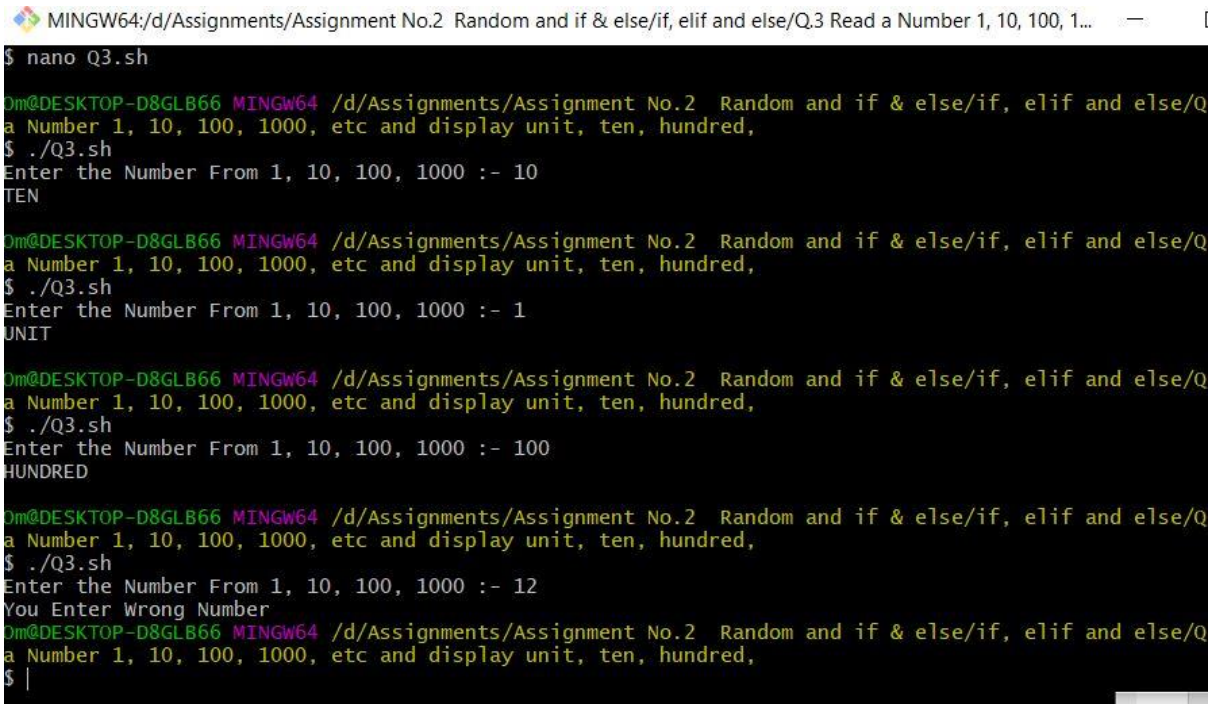
Q.3 Read a Number 1, 10, 100, 1000, etc and display unit, ten, hundred,

Code: -

```
echo -n "Enter the Number From 1, 10, 100, 1000 :- "
read n
if [ $n -eq 1 ]
then
	echo -ne "UNIT \n"
else
	if [ $n -eq 10 ]
	then
	echo -ne "TEN\n"
else
if [ $n -eq 100 ]
then
echo -ne "HUNDRED\n"
else
if [ $n -eq 1000 ]
then
echo -ne "THOUSAND \n"
else
echo -ne "You Enter Wrong Number "
fi
fi
fi
fi
```



Output: -


MINGW64:/d/Assignments/Assignment No.2 Random and if & else/if, elif and else/Q.3 Read a Number 1, 10, 100, 1...
$ nano Q3.sh
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else/if, elif and else/Q
a Number 1, 10, 100, 1000, etc and display unit, ten, hundred,
$ ./Q3.sh
Enter the Number From 1, 10, 100, 1000 :- 10
TEN
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else/if, elif and else/Q
a Number 1, 10, 100, 1000, etc and display unit, ten, hundred,
$ ./Q3.sh
Enter the Number From 1, 10, 100, 1000 :- 1
UNIT
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else/if, elif and else/Q
a Number 1, 10, 100, 1000, etc and display unit, ten, hundred,
$ ./Q3.sh
Enter the Number From 1, 10, 100, 1000 :- 100
HUNDRED
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else/if, elif and else/Q
a Number 1, 10, 100, 1000, etc and display unit, ten, hundred,
$ ./Q3.sh
Enter the Number From 1, 10, 100, 1000 :- 12
You Enter Wrong Number
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else/if, elif and else/Q
a Number 1, 10, 100, 1000, etc and display unit, ten, hundred,
$

Q.4 Enter 3 Numbers do following arithmetic operation and find the one that is maximum and minimum

1. a + b * c

2. a % b + c

3. c + a / b

4. a * b + c

Code: -

```
read -p  "Enter a First Number:- " a
read -p "Enter a Second Number:- " b
read -p  "Enter a Third Number:- " c
A=$(( a + b * c ))
B=$(( a % b + c ))
C=$(( c + a / b ))
D=$(( a * b + c ))
echo $A
echo $B
echo $C
echo $D
if (($A>$B && $A>$C && $A>$D))
then
echo "$A is Maximum "
elif (($B>$A && $B>$C && $B>$D))
then
echo "$B is Maximum "
elif (($C>$A && $C>$B && $C>$D))
then
echo "$C is Maximum"
else
echo "$D is Maximum"
fi
if (($A<$B && $A<$C && $A<$D))
then
echo "$A is Minimum "
elif (($B<$A && $B<$C && $B<$D))
then
echo "$B is Minimum"
elif (($C<$A && $C<$B && $C<$D))
then
echo "$C is Minimum"
else
echo "$D is Minimum"
```

fi

```
read -p  "Enter a First Number:- " a
read -p "Enter a Second Number:- " b
read -p  "Enter a Third Number:- " c
A=$(( a + b * c ))
B=$(( a % b + c ))
C=$(( c + a / b ))
D=$(( a * b + c ))
echo $A
echo $B
echo $C
echo $D
if (($A>$B && $A>$C && $A>$D))
then
echo "$A is Maximum "
elif (($B>$A && $B>$C && $B>$D))
then
echo "$B is Maximum "
elif (($C>$A && $C>$B && $C>$D))
then
echo "$C is Maximum"
else
echo "$D is Maximum"
fi
if (($A<$B && $A<$C && $A<$D))
then
echo "$A is Minimum "
elif (($B<$A && $B<$C && $B<$D))
then
echo "$B is Minimum"
elif (($C<$A && $C<$B && $C<$D))
then
echo "$C is Minimum"
else
echo "$D is Minimum"
fi
```

Output: -

```
MINGW64:/d/Assignments/Assignment No.2  Random and if & else/if, elif and else/Q.4 Enter 3 Number
 3 Numbers do following arithmetic operation and find the one that is maximum ar
$ ./Q4.sh
Enter a First Number:- 2
Enter a Second Number:- 5
Enter a Third Number:- 1
7
3
1
11
11 is Maximum
1 is Minimum

Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2  Random and if & else/
 3 Numbers do following arithmetic operation and find the one that is maximum ar
$ ./Q4.sh
Enter a First Number:- 5
Enter a Second Number:- 8
Enter a Third Number:- 77
621
82
77
117
621 is Maximum
77 is Minimum
```

case statement

Q.1 Read a single digit number and write the number in word using Case.

Code: -

```
read -p "Enter Single Digit Number:-  " number
case $number in
0)
echo "Zero"
;;
1)
echo "One"
;;
2)
echo "Two"
;;
3)
echo "Three"
;;
4)
echo "Four"
;;
5)
echo "Five"
;;
6)
echo "Six"
;;
7)
echo "Seven"
;;
8)
echo "Eight"
;;
9)
echo "Nine"
;;
esac
```

```
read -p "Enter Single Digit Number:-  " number
case $number in
0)
echo "Zero"
;;
1)
echo "One"
;;
2)
echo "Two"
;;
3)
echo "Three"
;;
4)
echo "Four"
;;
5)
echo "Five"
;;
6)
echo "Six"
;;
7)
echo "Seven"
;;
8)
echo "Eight"
;;
9)
echo "Nine"
;;
esac
```

Output:-

MINGW64:/d/Assignments/Assignment No.2 Random and if & else/case statement/Q.1 Read a single digit numb

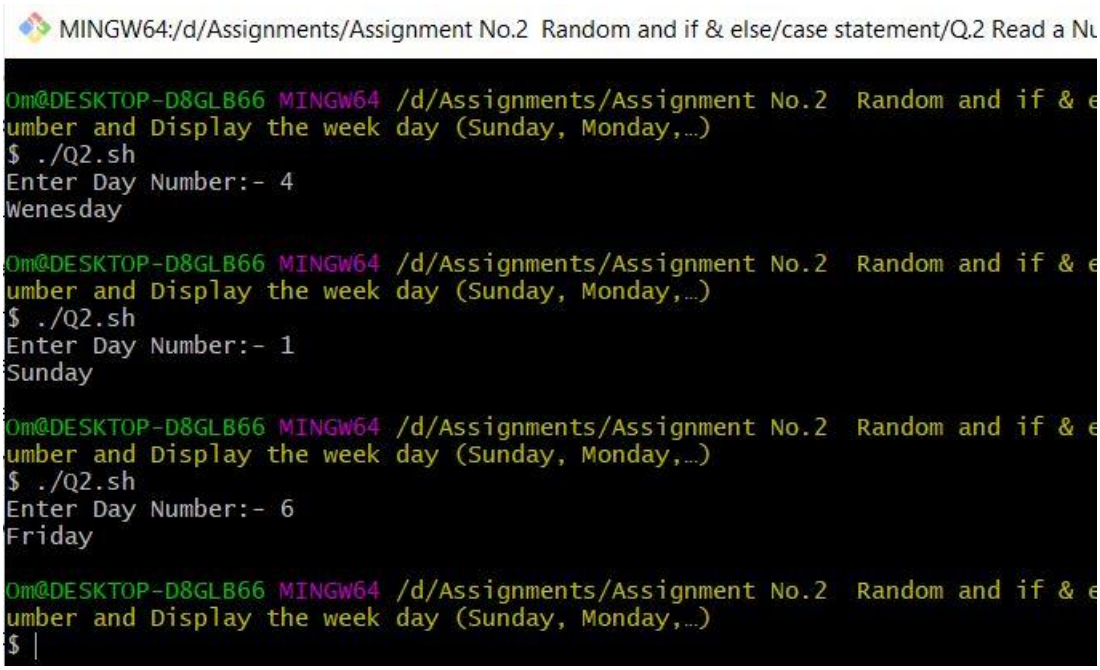
```
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2  Random and if & else/case s
ingle digit number and write the number in word using Case
$ ./Q1.sh
Enter Single Digit Number:-  5
Five

Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2  Random and if & else/case s
ingle digit number and write the number in word using Case
$ ./Q1.sh
Enter Single Digit Number:-  7
Seven

Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2  Random and if & else/case s
ingle digit number and write the number in word using Case
$ ./Q1.sh
Enter Single Digit Number:-  1
One

Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2  Random and if & else/case s
ingle digit number and write the number in word using Case
$ ./Q1.sh
Enter Single Digit Number:-  0
Zero
```

Q.2 Read a Number and Display the week day (Sunday, Monday,….)

Code: -

```
read -p "Enter Day Number:- " number
case $number in
1)
echo "Sunday"
;;
2)
echo "Monday"
;;
3)
echo "Thesday"
;;
4)
echo "Wenesday"
;;
5)
echo "Thursday"
;;
6)
echo "Friday"
;;
7)
echo "Saturday"
esac
```

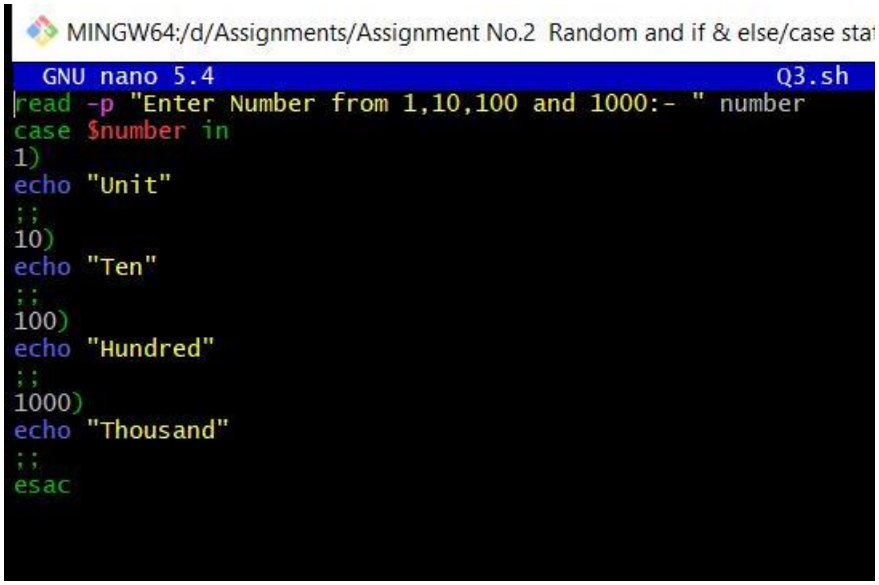
Output: -


MINGW64:/d/Assignments/Assignment No.2 Random and if & else/case statement/Q.2 Read a Nu
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & e
umber and Display the week day (Sunday, Monday,…)
$ ./Q2.sh
Enter Day Number:- 4
Wenesday
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & e
umber and Display the week day (Sunday, Monday,…)
$ ./Q2.sh
Enter Day Number:- 1
Sunday
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & e
umber and Display the week day (Sunday, Monday,…)
$ ./Q2.sh
Enter Day Number:- 6
Friday
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & e
umber and Display the week day (Sunday, Monday,…)
$

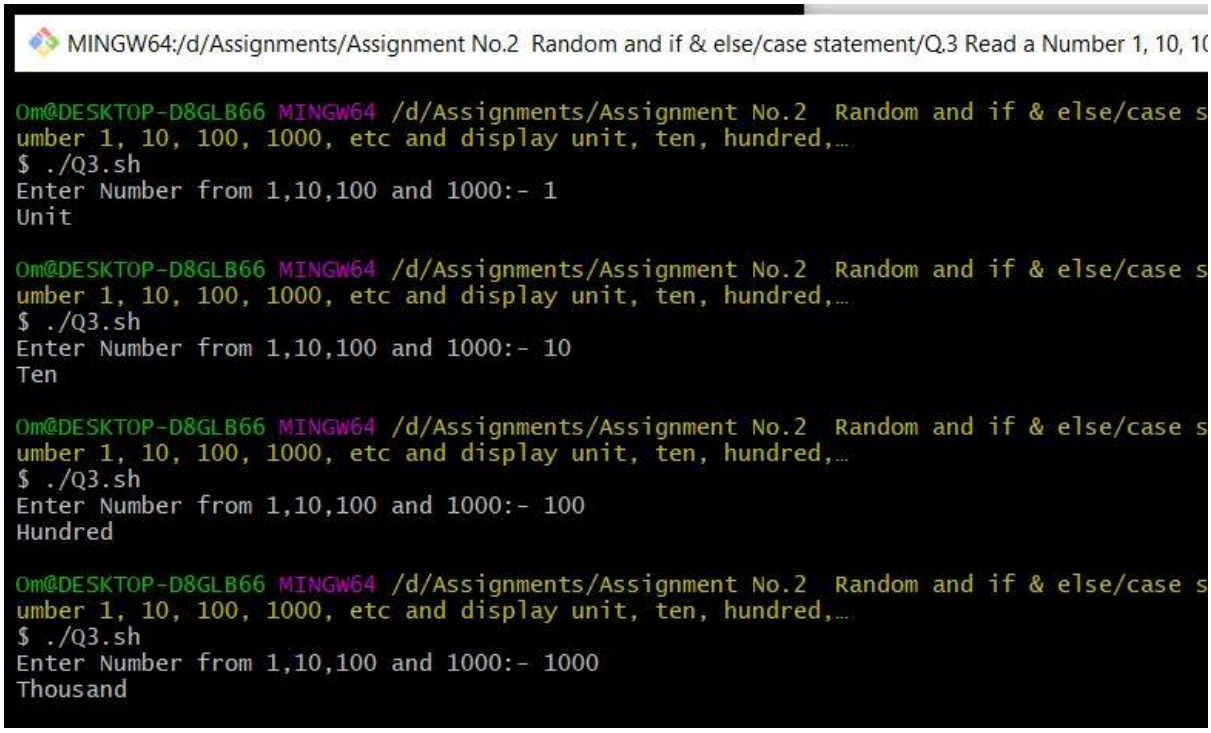
Q.3 Read a Number 1, 10, 100, 1000, etc and display unit, ten, hundred,…

Code: -

```
read -p "Enter Number from 1,10,100 and 1000:- " number
case $number in
1)
echo "Unit"
;;
10)
echo "Ten"
;;
100)
echo "Hundred"
;;
1000)
echo "Thousand"
;;
esac
```



Output: -


MINGW64:/d/Assignments/Assignment No.2 Random and if & else/case statement/Q.3 Read a Number 1, 10, 1(
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else/case s
umber 1, 10, 100, 1000, etc and display unit, ten, hundred,…
$ ./Q3.sh
Enter Number from 1,10,100 and 1000:- 1
Unit
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else/case s
umber 1, 10, 100, 1000, etc and display unit, ten, hundred,…
$ ./Q3.sh
Enter Number from 1,10,100 and 1000:- 10
Ten
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else/case s
umber 1, 10, 100, 1000, etc and display unit, ten, hundred,…
$ ./Q3.sh
Enter Number from 1,10,100 and 1000:- 100
Hundred
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2 Random and if & else/case s
umber 1, 10, 100, 1000, etc and display unit, ten, hundred,…
$ ./Q3.sh
Enter Number from 1,10,100 and 1000:- 1000
Thousand

Q.4 Write a program that takes User Inputs and does Unit Conversion of different Length units

1. Feet to Inch

2. Feet to Meter

3. Inch to Feet

4. Meter to Feet

Code: -

```
echo -ne "1. Feet to Inch \n2. Inch to feet \n3. Feet Into Meter \n4. Meter into Feet \nEnter Your Choice :- "
read Number
case $Number in
1)
read -p "Enter Feets :- "  Number
Inch=$(( $Number * 12 ))
echo "Number of Inches $Inch "
;;
2)
read -p "Enter Inches :- " Number
feet=$(( $Number / 12 ))

echo "Number of feets $feet"
;;
3)
read -p "Enter Feets :- " Number
meter=$(( $Number / 3 ))
echo "Number of Meter $meter "
;;
4)
read -p "Enter Meters :- " Number
feet=$(( $Number * 3 ))
echo "Number of Feets $feet "
;;
esac
```

MINGW64:/d/Assignments/Assignment No.2 Random

```
  GNU nano 5.4
echo -ne "1. Feet to Inch \n2. Inch to feet
read Number
case $Number in
1)
read -p "Enter Feets :- "  Number
Inch=$(( $Number * 12 ))
echo "Number of Inches $Inch "
;;
2)
read -p "Enter Inches :- " Number
feet=$(( $Number / 12 ))

echo "Number of feets $feet"
;;
3)
read -p "Enter Feets :- " Number
meter=$(( $Number / 3 ))
echo "Number of Meter $meter "
;;
4)
read -p "Enter Meters :- " Number
feet=$(( $Number * 3 ))
echo "Number of Feets $feet "
;;
esac
```

Output: -

MINGW64:/d/Assignments/Assignment No.2 Random and if & else/case statement/Q.4 Write a program that takes User Inpu

```
Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2  Random and if & else/case statement
program that takes User Inputs and does Unit Conversion of different Length units
$ ./Q4.sh
1. Feet to Inch
2. Inch to feet
3. Feet Into Meter
4. Meter into Feet
Enter Your Choice :- 1
Enter Feets :- 44
Number of Inches 528

Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2  Random and if & else/case statement
program that takes User Inputs and does Unit Conversion of different Length units
$ ./Q4.sh
1. Feet to Inch
2. Inch to feet
3. Feet Into Meter
4. Meter into Feet
Enter Your Choice :- 2
Enter Inches :- 40
Number of feets 3

Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2  Random and if & else/case statement
program that takes User Inputs and does Unit Conversion of different Length units
$ ./Q4.sh
1. Feet to Inch
2. Inch to feet
3. Feet Into Meter
4. Meter into Feet
Enter Your Choice :- 3
Enter Feets :- 99
Number of Meter 33

Om@DESKTOP-D8GLB66 MINGW64 /d/Assignments/Assignment No.2  Random and if & else/case statement
program that takes User Inputs and does Unit Conversion of different Length units
$ ./Q4.sh
1. Feet to Inch
2. Inch to feet
3. Feet Into Meter
4. Meter into Feet
Enter Your Choice :- 4
Enter Meters :- 33
Number of Feets 99
```