**Assignment No.05**

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**Q.1 Write a program in the following steps**

**a. Roll a die and find the number between 1 to 6**

**b. Repeat the Die roll and find the result each time**

**c. Store the result in a dictionary**

**d. Repeat till any one of the numbers has reached 10 times**

**e. Find the number that reached maximum times and the one that was for minimum times.**

**Code: -**

die1=$((1+ RANDOM%6))

echo "After rolling the die and getting :- $die1"

Count\_1=0

Count\_2=0

Count\_3=0

Count\_4=0

Count\_5=0

Count\_6=0

while :

do

die=$((1+ RANDOM %6 ))

if [ $die == 1 ]

then

Count\_1=$(( $Count\_1+1 ))

echo "$die ❶ : $Count\_1 Times ⌚"

if [ $Count\_1 == 10 ]

then

echo "❂❂❂❂❂❂❂❂❂❂ $die ❂❂❂❂❂❂❂❂❂❂ "

break;

fi

elif [ $die == 2 ]

then

Count\_2=$(( $Count\_2+1 ))

echo "$die ❷ : $Count\_2 Times ⌚"

if [ $Count\_2 == 10 ]

then

echo "❂❂❂❂❂❂❂❂❂❂ $die ❂❂❂❂❂❂❂❂❂❂ "

break;

fi

elif [ $die == 3 ]

then

Count\_3=$(( $Count\_3+1 ))

echo "$die ❸ : $Count\_3 Times ⌚"

if [ $Count\_3 == 10 ]

then

echo "❂❂❂❂❂❂❂❂❂❂ $die ❂❂❂❂❂❂❂❂❂❂ "

break;

fi

elif [ $die == 4 ]

then

Count\_4=$(( $Count\_4+1 ))

echo "$die ❹ : $Count\_4 Times ⌚"

if [ $Count\_4 == 10 ]

then

echo "❂❂❂❂❂❂❂❂❂❂ $die ❂❂❂❂❂❂❂❂❂❂ "

break;

fi

elif [ $die == 5 ]

then

Count\_5=$(( $Count\_5+1 ))

echo "$die ❺ : $Count\_5 Times ⌚"

if [ $Count\_5 == 10 ]

then

echo "❂❂❂❂❂❂❂❂❂❂ $die ❂❂❂❂❂❂❂❂❂❂ "

break;

fi

elif [ $die == 6 ]

then

Count\_6=$(( $Count\_6+1 ))

echo "$die ❻ : $Count\_6 Times ⌚"

if [ $Count\_6 == 10 ]

then

echo "❂❂❂❂❂❂❂❂❂❂ $die ❂❂❂❂❂❂❂❂❂❂ "

break;

fi

fi

done

arr[0]="1:$Count\_1"

arr[1]="2:$Count\_2"

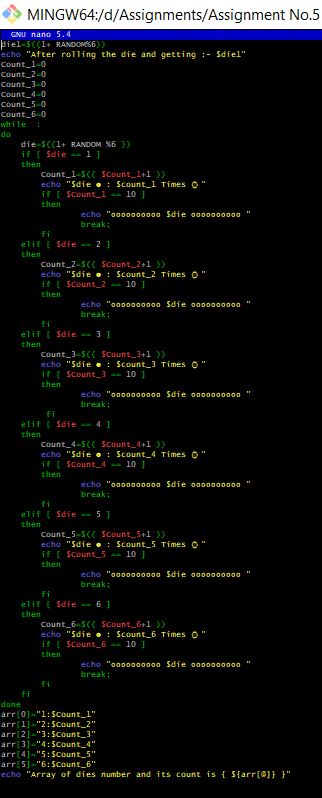
arr[2]="3:$Count\_3"

arr[3]="4:$Count\_4"

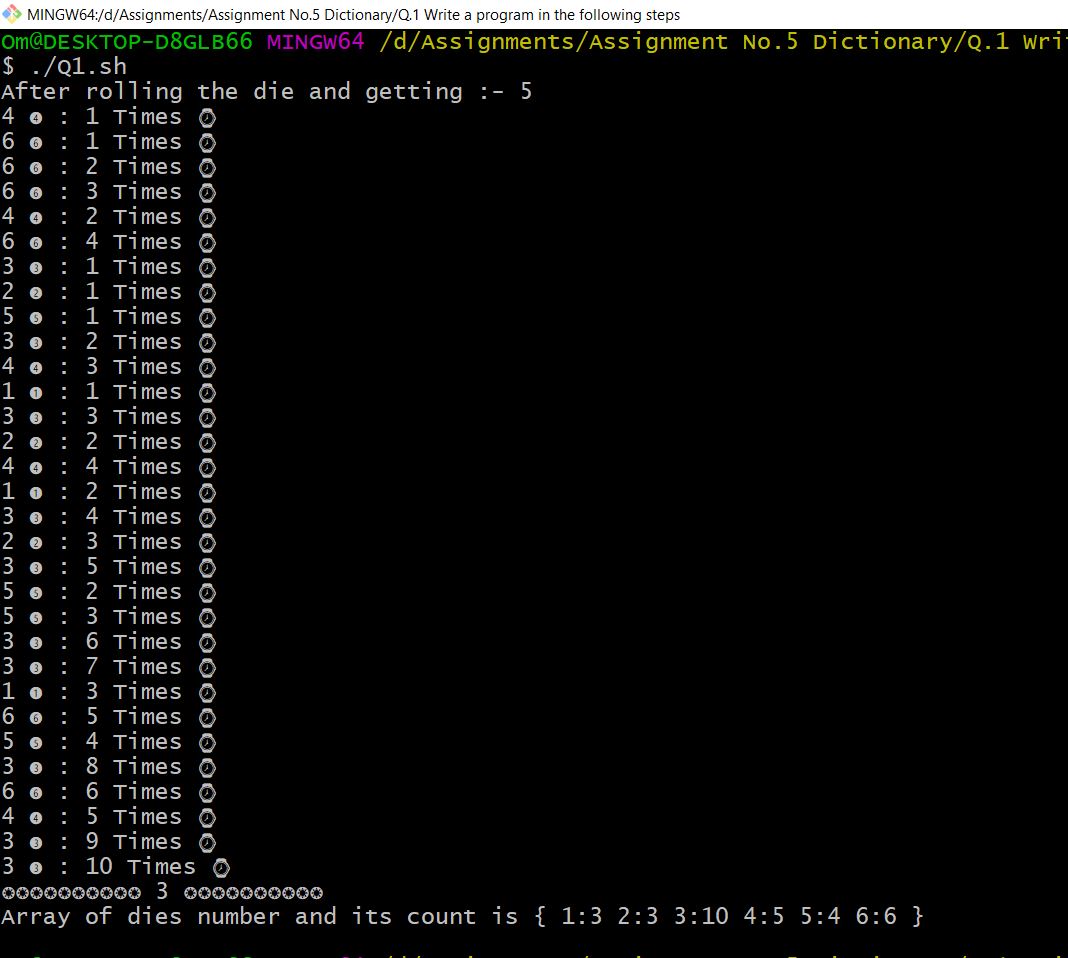
arr[4]="5:$Count\_5"

arr[5]="6:$Count\_6"

echo "Array of dies number and its count is { ${arr[@]} }"



**Output: -**



**Q.2 Write a Program to generate a birth month of 50 individuals between the year 92 & 93. Find all the individuals having birthdays in the same month. Store it to finally print.**

**Code: -**

for(( i=0; i<=50;i++ ))

do

Month=$(( 1 + $RANDOM%12 ))

Year=$(( 1992 + $RANDOM%2 ))

if [ $Month == 1 ] | [ $Month == 3 ] | [ $Month == 5 ] | [ $Month == 7 ] | [ $Month == 8 ] | [ $Month == 10 ] | [ $Month == 12 ]

then

Date=$(( 1 + $RANDOM % 31 ))

elif [ $Month == 2 ]

then

if [ $Year == 1992 ]

then

Date=$(( 1+ $RANDOM % 29 ))

else

Date=$(( 1 + $RANDOM % 28))

fi

arr02[$i]=$Date/$Month/$Year

else

Date=$(( 1 + $RANDOM % 30 ))

if [ $Month == 4 ]

then

arr04[$i]=$Date/$Month/$Year

elif [ $Month == 6 ]

then

arr06[$i]=$Date/$Month/$Year

elif [ $Month == 9 ]

then

arr09[$i]=$Date/$Month/$Year

elif [ $Month == 11 ]

then

arr11[$i]=$Date/$Month/$Year

fi

fi

if [ $Month == 1 ]

then

arr01[$i]=$Date/$Month/$Year

elif [ $Month == 3 ]

then

arr03[$i]=$Date/$Month/$Year

elif [ $Month == 5 ]

then

arr05[$i]=$Date/$Month/$Year

elif [ $Month == 7 ]

then

arr07[$i]=$Date/$Month/$Year

elif [ $Month == 8 ]

then

arr08[$i]=$Date/$Month/$Year

elif [ $Month == 10 ]

then

arr10[$i]=$Date/$Month/$Year

elif [ $Month == 12 ]

then

arr12[$i]=$Date/$Month/$Year

fi

echo "$Date/$Month/$Year"

arr[$i]=$Date/$Month/$Year

done

echo ""

echo " ㏈㏈㏈㏈㏈㏈㏈㏈㏈㏈㏈㏈㏈㏈㏈㏈ Date Of Birth 50 Person ㏈㏈㏈㏈㏈㏈㏈㏈㏈㏈㏈㏈㏈㏈㏈㏈"

#echo "\n ${arr[\*]}"

echo ""

echo "❆❆❆❆❆❆❆❆❆❆❆❆❆❆❆❆ Birth Month : ❶ January ❆❆❆❆❆❆❆❆❆❆❆❆❆❆❆❆"

echo ${arr01[\*]}

echo ""

echo "❆❆❆❆❆❆❆❆❆❆❆❆❆❆❆❆ Birth Month : ❷ February ❆❆❆❆❆❆❆❆❆❆❆❆❆❆❆❆"

echo ${arr02[\*]}

echo ""

echo "☀☀☀☀☀☀☀☀☀☀☀☀☀☀☀☀ Birth Month : ❸ March ☀☀☀☀☀☀☀☀☀☀☀☀☀☀☀☀ "

echo ${arr03[\*]}

echo ""

echo "☀☀☀☀☀☀☀☀☀☀☀☀☀☀☀☀ Birth Month : ❹ April ☀☀☀☀☀☀☀☀☀☀☀☀☀☀☀☀ "

echo ${arr04[\*]}

echo ""

echo "☀☀☀☀☀☀☀☀☀☀☀☀☀☀☀☀ Birth Month : ❺ May ☀☀☀☀☀☀☀☀☀☀☀☀☀☀☀☀ "

echo ${arr05[\*]}

echo ""

echo "☀☀☀☀☀☀☀☀☀☀☀☀☀☀☀☀ Birth Month : ❻ June ☀☀☀☀☀☀☀☀☀☀☀☀☀☀☀☀ "

echo ${arr06[\*]}

echo ""

echo "☂☂☂☂☂☂☂☂☂☂☂☂☂☂☂☂ Birth Month : ❼ July ☂☂☂☂☂☂☂☂☂☂☂☂☂☂☂☂"

echo ${arr07[\*]}

echo ""

echo "☂☂☂☂☂☂☂☂☂☂☂☂☂☂☂☂ Birth Month : ❽ August ☂☂☂☂☂☂☂☂☂☂☂☂☂☂☂☂ "

echo ${arr08[\*]}

echo ""

echo "☂☂☂☂☂☂☂☂☂☂☂☂☂☂☂☂ Birth Month : ❾ September ☂☂☂☂☂☂☂☂☂☂☂☂☂☂☂☂"

echo ${arr09[\*]}

echo ""

echo "☂☂☂☂☂☂☂☂☂☂☂☂☂☂☂☂ Birth Month : ❿ October ☂☂☂☂☂☂☂☂☂☂☂☂☂☂☂☂ "

echo ${arr10[\*]}

echo ""

echo "❆❆❆❆❆❆❆❆❆❆❆❆❆❆❆❆ Birth Month : ❶❶ November ❆❆❆❆❆❆❆❆❆❆❆❆❆❆❆❆"

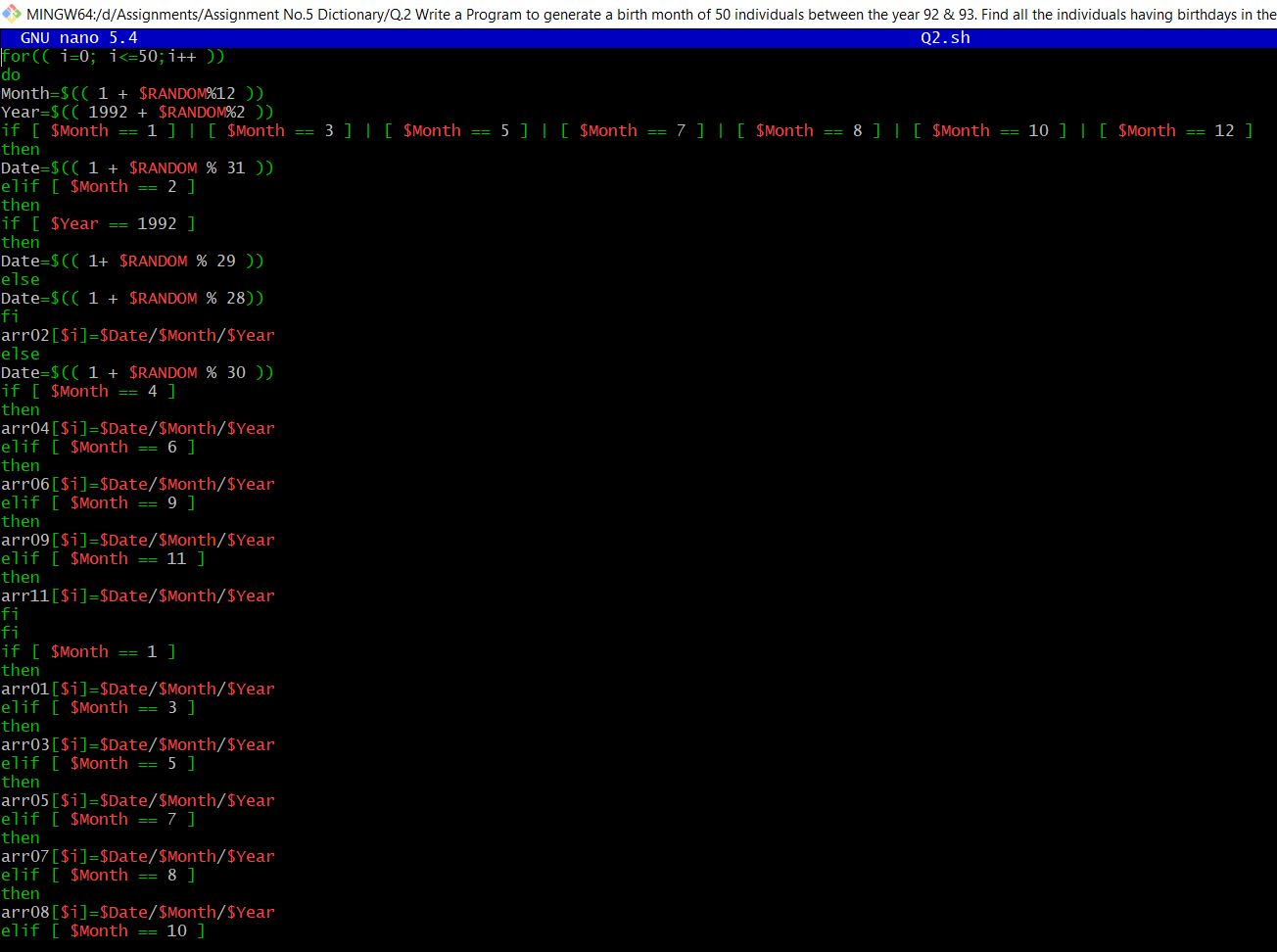
echo ${arr11[\*]}

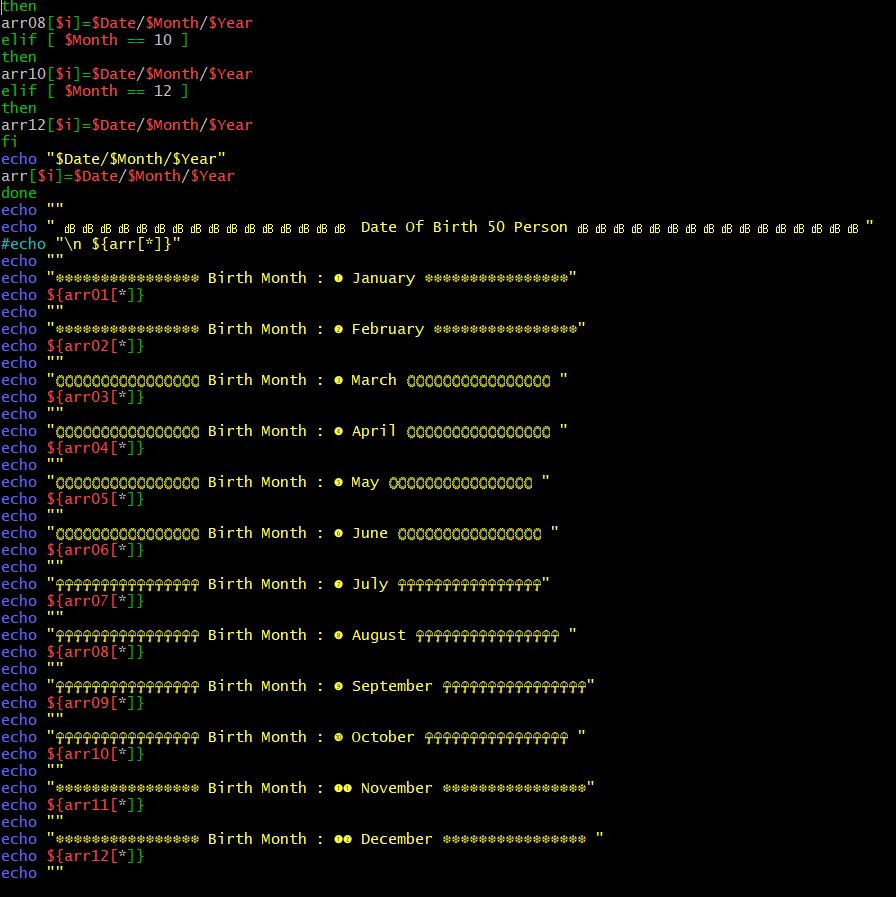
echo ""

echo "❆❆❆❆❆❆❆❆❆❆❆❆❆❆❆❆ Birth Month : ❶❷ December ❆❆❆❆❆❆❆❆❆❆❆❆❆❆❆❆ "

echo ${arr12[\*]}

echo ""





**Output: -**

