Selection practice problems with if & else

1. write a program that reads 5 random 3 digit values and then outputs the minimum and the maximum value

2. write a program that takes day and month from the command line and prints true if day of mnth is between march 20 and june 20, false otherwise

3.write a program that takes a year as input and outputs the year is a leap or not a leap year. A Leap year checks for 4 digit nmber. Divisible b 4 and not 100 unless divisible by 400.

4. write a program to simulate a coin flip and print out “Heads” or “Tails” accordingly.

Solve:

1)#!/bin/bash –x

#write a program that reads 5 Random 3 digit values and then outputs the minimum and the maximum value

Random=(27 364 859 038 063)

Max=${Random[0]}

Min=${Random[0]}

For I in “${Random[@]}”

Do

If [[“$i” –gt “$max”]]; then

Max= “$i”

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If [[“$i” –gt “$max”]]; then

Min= “$i”

Fi

Done

Echo “Max is: $max”

Echo “min is: $min”

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2)#!/bin/bash –x

#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

```
Echo “Enter the date:”

Read Date

Echo “Enter the month:”

Read Month

If (( ($Month <=6 && $Date <=20) && (($month >=3 && $date <=20) && ($date<31)) ))

Then

    Echo $Month “Month” $Date “Date” “True”;

Else

   Echo “False (Please enter valid date and months)”

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```

4) #!/bin/bash -x

#write a program to simulate a coin flip ans print out “Heads” or “Tails” accordingl.

```
Coin=$(($RANDOM%2))

If [ $coin –eq 1]

Then

    Echo “heads:” $coin

Else

  Echo “tails”

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