If and else

1.printing true if date between 20 march and 20 june otherwise false

#!/bin/bash

read -p "Enter Date: " date

read -p "Enter Month: " Month

combo=0

res="false"

st=1

if [ $Month -ge 3 -a $Month -le 6 ]; then

dlimit=$((30 + (Month % 2)))

if [ $date -ge 1 -a $date -le $dlimit ]; then

combo=$(((Month \* 100) + date))

if [ $combo -ge 320 -a $combo -le 620 ]; then

res="true"

st=0

fi

fi

fi

echo "$Month/$date $res"

exit $st

**output**

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$ ./ifmonth.sh

Enter Date: 2

Enter Month: 2

2/2 false

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$ ./ifmonth.sh

Enter Date: 25

Enter Month: 5

5/25 true

**3.leap year**

# !/bin/bash

yy=0

isleap="false"

echo -n "Enter year (yyyy) : "

read yy

if [ $((yy % 4)) -ne 0 ] ; then

echo "not a leap year"

elif [ $((yy % 400)) -eq 0 ] ; then

isleap="true"

elif [ $((yy % 100)) -eq 0 ] ; then

echo "is a leap year"

else

isleap="true"

fi

if [ "$isleap" == "true" ];

then

echo "$yy is leap year"

else

echo "$yy is NOT leap year"

fi

output

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$ ./leap.sh

Enter year (yyyy) : 2020

2020 is leap year

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$ ./leap.sh

Enter year (yyyy) : 2018

not a leap year

2018 is NOT leap year

**4.coin flip and print head or tail accordingly**

#!/bin/bash

Result=$((RANDOM%2))

if [[ ${Result} -eq 0 ]]; then

echo HEADS

elif [[ ${Result} -eq 1 ]]; then

echo TAILS

fi

output:

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$ ./coin.sh

HEADS

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$ ./coin.sh

HEADS

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$ ./coin.sh

TAILS