Assignment for Session 2

# This program check from list of numbers and print number with even on odd

Numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

for nums in Numbers:

if (nums % 2) == 0:

print(nums,"is an even number")

else:

print(nums, " is an odd number")

# This program check the year from the list and run three conditions to check if it is a leap year or not

Years = [1890, 1992, 2007, 2009, 2015, 2016, 2018, 2020]

#This is for loop to check the three conditions

for year in Years:

if (year % 4) == 0 and (year % 100) != 0 or (year % 400) == 0:

print(year, "is a Leap Year")

else:

print(year, "is not a Leap Year")

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#This program takes input as three numbers and gives output as the largest number

num1 = float(input("Enter First number: "))

num2 = float(input("Enter Second number: "))

num3 = float(input("Enter Third number: "))

# These are the conditions check which number is the largest one

if (num1 >= num2) and (num1 >= num3):

largest\_num = num1

elif (num2 >= num1) and (num2 >= num3):

largest\_num = num2

else:

largest\_num = num3

print("The largest number among",num1,",",num2,"and",num3,"is: ",largest\_num)

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# This program check the integer Positive or Negative

numbers = [1, -2, 4, 6, -11, 20]

# this for loop check for each number for positive or negative and print number

for num in numbers:

if (num>0):

print(num," is a positive number")

else:

print(num," is a negative number")

#this program with take and number and print last 10 digit

#accept number and set conditios and print 10 digits prior to that number

num=23

while num-13:

num= num-1

print (num-1)