Software Technologies 2020 Workshops

Workshop1:

Task 2:

nl =[]

# Checking Range

for x in range (2000, 2100):

if (x%7==0) and (x%5!=0):

# Joining the List

nl.append(str(x))

# Printing the List

print(','.join(nl))

Task 3:



# Breaking up the input into three variables

x, y, z = [int(x) for x in input("Enter the time (hours, minutes and seconds): ").split()]

# Converting the variables into seconds

a = (x \* 3600) + (y \* 60) + z

print(a)



x = int(input("Enter a Number: "))

# Checking if the variable is greater than Zero

if x > 0:

print("True")

else:

print("False")



a, b, c = [int(x) for x in input("Enter three Numbers: ").split()]

# Checks if the Difference Between Inputs is the Same

if (a - b == b - c):

print("True")

else:

print("False")



n = int(input('Enter a Number: '))

sum = 0

#Loops through every number, Adding it to Sum

for num in range(0, n+1, 1):

sum = sum+num

print(sum)



# Taking input from the user

x, y = input("Enter two words: ").split()

count1 = 0

count2 = 0

# Loop through the string

for i in x:

count1 = count1 + 1

for i in y:

count2 = count2 + 1

newString = x[ 0:2 ] + y [count2 - 2: count2 ]

# Printing the new String

print("New String = "+ newString)



a = input('Enter 1st Word: ')

b = input('Enter 2nd Word: ')

# Checking if the last and first letters are equal

if a[-1] == b[0]:

# Removing the first letter of Input Two

c = b[1:]

print(a+c)

else:

print(a+b)