**Code:**

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DSC 530 T303 (2213-1)

Purpose of Program: Getting prepared for the exploratory data analysis

2.1 Exercise: Preparing for Exploratory Data Analysis

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'''

#Display the text “Hello World! I wonder why that is always the default coding text to start with”

print ("Hello World!")

#Add two numbers together

# taking and storing first number in num1 variable

num1 = int(input("Enter first number = "))

# taking and storing second number in num2 variable

num2 = int(input("Enter second number = "))

# adding the two numbers and storing it in sum variable

sum = num1 + num2

# printing the sum

print("Sum of first and second numbers =",sum)

#Subtract a number from another number

# subtracting the two numbers and storing it in sub variable

sub = num1 - num2

# printing the sub

print("Subtracting second num from first number =",sub)

#Multiply two numbers

# multiplying the two numbers and storing it in mul variable

mul = num1 \* num2

# printing the mul

print("Multiplication of first and second numbers =",mul)

#Divide between two numbers

# Division the two numbers and storing it in div variable

div = num1 / num2

# printing the div

print("Dividing first number with second numbers =",div)

#Concatenate two strings together (any words)

# taking and storing first string in str1 variable

str1 = str(input("Enter first string = "))

# taking and storing second string in str2 variable

str2 = str(input("Enter second string = "))

con = str1 +' '+ str2

print (con)

#Create a list of 4 items (can be strings, numbers, both)

thislist = list((str1, str2, "string", 1, "string123"))

print(thislist)

#Append an item to your list (again, can be a string, number)

entstr = input("Enter item to append to the list = ")

thislist.append(entstr)

print(thislist)

#Create a tuple with 4 items (can be strings, numbers, both)

thistuple = "string", 123, "string123", thislist

print(thistuple)

**Output:**

Python 3.8.5 (default, Sep 4 2020, 00:03:40) [MSC v.1916 32 bit (Intel)]

Type "copyright", "credits" or "license" for more information.

IPython 7.19.0 -- An enhanced Interactive Python.

runfile('C:/Users/vahin/Spider Project/Week2RKARNA.py.py', wdir='C:/Users/vahin/Spider Project')

Hello World!

Enter first number = 1

Enter second number = 2

Sum of first and second numbers = 3

Subtracting second num from first number = -1

Multiplication of first and second numbers = 2

Dividing first number with second numbers = 0.5

Enter first string = raja

Enter second string = sekhar

raja sekhar

['raja', 'sekhar', 'string', 1, 'string123']

Enter item to append to the list = karna

['raja', 'sekhar', 'string', 1, 'string123', 'karna']

('string', 123, 'string123', ['raja', 'sekhar', 'string', 1, 'string123', 'karna'])