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'''
Day: Tuesday
Date: 24th Jna 2023
Topic: Data Types(List, Tuples)
Description: List and Tuples are the data types in python
List: It is a data type which is enclosed in square brackets and Mutable.
Tuple:It is a data type in which multiple values can be assinged to a single variable which is
enclosed in paranthesis and Immutable.
'''

'''None Type'''
# a=None
# print(type(a))

'''List Data Type'''

# b=[0,4.6,[7,8.5],"hi"]
# print(type(b))
# print(b)
# print(b[3],type(b[3]))
# print(b[0],type(b[0]))
# print(b[1],type(b[1]))
# print(b[2],type(b[2]))
# print(b[4]) # Error
# print(b[2][0],type(b[2][0]))
# print(b[2][1],type(b[2][1]))
# c=[]
# print(c,type(c))

'''Changing the values in List'''

# v=[3,6]
# v[0]=8
# print(v)

'''Tuple Data Type'''

# a=3,4,5,6
# print(a,type(a))

# a,b,c=2,3,6
# print(type(a))
# print(type(a),type(b),type(c))

# b=4,7.9,'hi',[3,2],(6,7),None
# print(b,type(b))
# print(type(b[0]))
# print(type(b[3]))
# print(type(b[4]))

'''Changing Value in Tuple'''
# v=(3,6)
# print(type(v))
# v[0]=8 # TypeError: does not support item assignment

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