ASSIGNMENT

Question 1

List and its default functions

list1 = [2,5,7,8,9,3,5,6,]

print(list1)

#1

list1.append(1)

print(list1)

#2

list1.insert(2,10)

print(list1)

#3

print(list1.count(5))

#4

list1.pop()

print(list1)

#5

list1.reverse()

print(list1)

Output

A screenshot of a computer screen

Description automatically generated

Question 2

Dictionary and its default functions

dict = {1:"hello",2:"world"}

print(dict)

#1

print(dict.get(2))

#2

print(dict.values())

#3

print(dict.items())

#4

print(dict.keys())

#5

print(dict.pop(2))

Output

A screenshot of a computer screen

Description automatically generated

Question 3

Sets and its default functions

city = {1,4,5,7,8,9,4,5}

print(city)

#1

city.add(2)

print(city)

#2

city.remove(5)

print(city)

#3

state = city.copy()

print(state)

#4

city.pop()

print(city)

#5

city.clear()

print(city)

Output

A screenshot of a computer screen

Description automatically generated

Question 4

Tuple and explore default methods

tup = ("hello","world","This","is","Python","world")

print(tup)

#1

print(tup.count("world"))

#2

print(tup.index("is"))

#3

print(tup[2])

#4

print(tup[1:5])

#5

print(tup[-2])

Output

A screenshot of a computer screen

Description automatically generated

Question 5

Strings and explore default methods

str = "hello world"

print(str)

#1

print(str.capitalize())

#2

print(str.count("l"))

#3

print(str.isalpha())

#4

print(str.index("o"))

#5

print(str.replace("hello","Hi"))

Output

A screenshot of a computer screen

Description automatically generated