ASSIGNMENT 1 – TRY 5 DIFFERENT FUNCTIONS OF STRING

1. # CONVERSIONS

s1 = “ Python Essentials”

print(s1.upper())

print(s1.lower())

1. #search and replace

s1 = “Bring it On”

print(s1.find(“I”))

print(s1.find(“On”))

print(s1.replace(“it”, “Him”))

1. #trimming

s1=” Flanked by spaces on either side “

print(s1.lstrip())

print(s1.rstrip())

1. #splitting

s1=” Flanked by spaces on either side “

print(s1.split(“\\”))

print(s1.partition(“\\”)

1. #conversions – 2

s1=”Flanked by spaces on two sides”

print(s1.capitalize())

print(s1.swapcase())

ASSIGNMENT 2 – TRY 5 DIFFERENT FUNCTIONS OF LIST OBJECT IN PYTHON

# create a list of 5 names

names = ["Anil", "Christopher", "Poornam", "Gnanam", "Satish"]

print(names)

# insert a name "Arul" before "Satish"

names.insert(4, "Arul")

print(names)

# append a name "Chennai"

names.append("Chennai")

print(names)

# delete "Satish" from the list

names.remove("Satish")

print(names)

# replace "Anil" with "AnilKapoor"

i = names.index("Anil")

names[i] = "AnilKapoor"

print(names)

# sort all the names in the list

names.sort()

print(names)

ASSIGNMENT 3 – EXPERIMENT WITH ATLEAST 5 DEFAULT FUNCTIONS OF DICTIONARY

students = {"Arul":23, "Anand":28, "Sanjay":25}

stud = students # shallow copy, stud starts referring to same dictionary

students = {} # students now refers to an empty dictionary

print(stud)

lst = ["Sunil", "Sundar", "Rahul", "Natarajan", "Sunil", "Chetri"]

d = dict.fromkeys(lst,50)

print(len(lst))

print(d)

EMPTY OR NOT

d1 = {"Natarajan", "Salem"}

if bool(d1):

print("Dictionary is not empty")

d2 = {}

if not bool(d2):

print("Dictionary is Empty")

MERGE TWO LISTS

boys = {"Nilesh":60, "Thiru":61, "Nadeem":71}

girls = {"Rasika":79, "Rajeswari":82, "Susila":85}

combined = {\*\* boys, \*\*girls}

print(combined)

combined = {\*\*girls, \*\*boys}

print(combined)

PRINT MINIMUM AN MAXIMUM SALARY FROM THE LIST

d = {

"Nilesh":{"salary":10000, "age":23, "height":6},

"Thiru":{"salary":6000, "age":26, "height":5.6},

"Nadeem":{"salary":8000, "age":29, "height":5.9}

}

lst = []

for v in d.values():

lst.append(v["salary"])

print(max(lst))

print(min(lst))