1. Write a Python program to find words which are greater than given length k?

Ans.

import logging as lg

# importing logging so every function call of

lg.basicConfig(filename ='C:\\Users\\Home\\Johns python talent\\logging\\testlog1.log', level =lg.INFO , format = '%(asctime)s %(message)s')

words\_list = ['hello',"Engineering", 'john', 'hi', 'bell', 'garo', 'it']

def separate\_words(words\_list):

separate\_list = []

length\_k = int(input("enter the length of word for which words are greater: "))

for i in words\_list:

if len(i) > length\_k:

separate\_list.append(i)

print(separate\_list)

try:

separate\_words(words\_list)

lg.info("Function separate\_words(words\_list) has been called")

except Exception as e:

print("There was an error called: ",e)

else:

pass

finally:

pass

1. Write a Python program for removing i-th character from a string?

Ans.

import logging as lg

# importing logging so every function call of

lg.basicConfig(filename ='C:\\Users\\Home\\Johns python talent\\logging\\testlog1.log', level =lg.INFO , format = '%(asctime)s %(message)s')

def remove\_ith\_char(string):

modified\_string = ""

ith\_remove = int(input("Enter the ith character you want to remove from string : "))

convert\_list = list(string)

convert\_list.remove(string[ith\_remove-1])

for i in convert\_list:

modified\_string += i

print("Modified string is : ", modified\_string)

try:

remove\_ith\_char("Hello World!")

lg.info("""Function remove\_ith\_char("Hello World!") has been called""")

except Exception as e:

print("There was an error called: ",e)

else:

pass

finally:

pass

1. Write a Python program to split and join a string?

Ans.

import logging as lg

# importing logging so every function call of

lg.basicConfig(filename ='C:\\Users\\Home\\Johns python talent\\logging\\testlog1.log', level =lg.INFO , format = '%(asctime)s %(message)s')

class StringOperation:

def \_\_init\_\_(self, my\_String\_1, my\_String\_2):

self.my\_String\_1 = my\_String\_1

self.my\_String\_2 = my\_String\_2

def string\_Join(self):

my\_String\_3 = self.my\_String\_1 + " " + self.my\_String\_2

print(my\_String\_3)

def split\_string\_1(self):

print(self.my\_String\_1.split())

def split\_string\_2(self):

print(self.my\_String\_2.split())

try:

j1 = StringOperation("first", "Second")

j1.string\_Join()

lg.info("""Class StringOperation() and function .string\_Join() has been called""")

except Exception as e:

print("There was an error called: ",e)

else:

pass

finally:

pass

1. Write a Python to check if a given string is binary string or not?

Ans.

import logging as lg

# importing logging so every function call of

lg.basicConfig(filename ='C:\\Users\\Home\\Johns python talent\\logging\\testlog1.log', level =lg.INFO , format = '%(asctime)s %(message)s')

def check\_binary(test\_string):

change\_to\_set = set(test\_string)

if change\_to\_set == {'0', '1'} or change\_to\_set == {'0'} or change\_to\_set == {'1'}:

print("yes it is a binary string")

else:

print("No it is not a binary string")

try:

check\_binary("11010101110")

lg.info("""Class check\_binary("11010101110") has been called""")

except Exception as e:

print("There was an error called: ",e)

else:

pass

finally:

pass

1. Write a Python program to find uncommon words from two Strings?

Ans.

import logging as lg

# importing logging so every function call of

lg.basicConfig(filename ='C:\\Users\\Home\\Johns python talent\\logging\\testlog1.log', level =lg.INFO , format = '%(asctime)s %(message)s')

def uncommon\_words(string\_1, string\_2):

different\_words = []

for i in string\_1.split():

if i not in string\_2.split():

different\_words.append(i)

for j in string\_2.split():

if j not in string\_1.split():

different\_words.append(j)

if different\_words == []:

print("There are no uncommon words between these two strings")

if different\_words != []:

print("There are uncommon words in the two strings")

print("The uncommon words are :", different\_words)

try:

uncommon\_words("how are you", "how are you all")

lg.info("""Class uncommon\_words("how are you", "how are you all") has been called""")

except Exception as e:

print("There was an error called: ",e)

else:

pass

finally:

pass

1. Write a Python to find all duplicate characters in string?

Ans.

import logging as lg

# importing logging so every function call of

lg.basicConfig(filename ='C:\\Users\\Home\\Johns python talent\\logging\\testlog1.log', level =lg.INFO , format = '%(asctime)s %(message)s')

def duplicate\_words(string\_1):

same\_words = []

for i in string\_1.split():

if string\_1.split().count(i) > 1:

same\_words.append(i)

set\_style = list(set(same\_words))

print("The duplicate words are: ", set\_style)

try:

duplicate\_words("how how are you")

lg.info("""Class duplicate\_words("how how are you") has been called""")

except Exception as e:

print("There was an error called: ",e)

else:

pass

finally:

pass

1. Write a Python Program to check if a string contains any special character?

Ans.

import logging as lg

# importing logging so every function call of

lg.basicConfig(filename ='C:\\Users\\Home\\Johns python talent\\logging\\testlog1.log', level =lg.INFO , format = '%(asctime)s %(message)s')

def special\_search(string\_1):

# Not considering whitespace in the special characters

special\_characters = ['!','"','#','$','%','&',"'",'(',')','\*','+',',','-','/',':',';','<','>','=','?','@','[',']',"\\" , "^",'\_','`','{','|', '}', "~ "]

special = []

for i in string\_1:

if i in special\_characters:

special.append(i)

if special != []:

print("Yes there are special characters in this string")

print("The special characters are", list(set(special)))

if special == []:

print("There is no special character in this string")

try:

special\_search("hello how are you ")

special\_search("hello how&& are you ")

lg.info("""Class special\_search() has been called""")

except Exception as e:

print("There was an error called: ",e)

else:

pass

finally:

pass