**Open Source Software LAB ASSIGNMENT -2**

Name- Himanshi yadav

Batch-F8

Enroll-9918103261

**1**

i=0

while i<4:

print("Hello,world!")

i+=1;

**2**

def checkDuplicates(list):

for x in list:

if list.count(x) > 1:

return True

return False

l=['a','d','a']

res=checkDuplicates(l)

print(res)

**3**

def divideList(l,size):

length = len(l)

newlist = []

newgroup = []

j = 0

for i in range(0,length):

if(j<size - 1):

j += 1

newgroup.append(l[i])

else:

j = 0

newgroup.append(l[i])

newlist.append(newgroup)

newgroup = []

if(newgroup != []):

newlist.append(newgroup)

return newlist

res=divideList([1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11], 3)

print(res)

**4**

def sortfunc(list):

list.sort(key=len)

print (list)

l=["abcd","b","ab"]

sortfunc(l)

**5**

import os

def extsort(files):

return sorted(files,key=lambda x: os.path.splitext(x)[1])

print( extsort(['a.c', 'a.py', 'b.py', 'bar.txt', 'foo.txt', 'x.c']))

**6**

with open('p4.py', 'r') as reader:

line = reader.readline()

while line != '':

print(line, end='')

line = reader.readline()

**7**

def countfunc(fileName):

numwords = 0

numchars = 0

numlines = 0

with open(fileName, 'r') as file:

for line in file:

wordlist = line.split()

numlines += 1

numwords += len(wordlist)

numchars += len(line)

print ("Words: ", numwords)

print ("Lines: ", numlines)

print ("Characters: ", numchars)

countfunc("p2.py")

**8**

file = open("p7.py")

lines = file.readlines()

for line in reversed(lines):

print(line)

**9**

file=open(“p2.py”)

lines=file.readlines()

file.close()

for line in (lines):

print(line[::-1])





