**Unit 4 Homework Assignment: Advanced Python Programming**

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create\_notes\_drs.py

# Import the os module into Python

import os

def main():

# Create a directory called `CyberSecurity-Notes` in the current working directory

os.mkdir('CyberSecurity-Notes')

os.chdir('CyberSecurity-Notes')

# Within the `CyberSecurity-Notes` directory, creates 24 sub-directories (sub-folders), called `Week 1`, `Week 2`, `Week 3`, and so on until up through `Week 24`

# Within each week directory, create 3 sub-directories, called `Day 1`, `Day 2`, and `Day 3`

for i in range(1,4):

os.makedirs(os.path.join('Week1', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week2', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week3', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week4', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week5', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week6', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week7', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week8', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week9', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week10', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week11', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week12', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week13', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week14', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week15', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week16', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week17', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week18', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week19', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week20', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week21', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week22', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week23', 'Day' + str(i)))

for i in range(1,4):

os.makedirs(os.path.join('Week24', 'Day' + str(i)))

return

main()

copy\_activities.py

# Import the os and shutil module into Python

import os

import shutil

mpath = r"/Users/Abdullahi Omar/Downloads"

os.mkdir('FILES')

# Walk through all of the files contained within the directory

def stu\_activities():

# Finds files in `~/Downloads` that contain the string `Stu\_`

for roots, dirs, files in os.walk(mpath):

roots = next(os.walk(mpath))[0]

print('Roots = %s'% roots)

dirs = next(os.walk(mpath))[0]

print('Dirs = %s'% dirs)

# Loop through all of the files in the current root

for file in files:

# Copies these files into the current working directory

if file.startswith('Stu\_'):

shutil.copy(file, 'FILES')

stu\_activities()

copy\_slides.py

# Import the os and shutil module into Python

import os

import shutil

spath = r"/Users/Abdullahi Omar/Downloads"

os.mkdir('Powerpoints')

def pptx\_copy():

# Walk through all of the files contained within the directory

for roots, dirs, files in os.walk(spath):

roots = next(os.walk(spath))[0]

print('Roots = %s'% roots)

dirs = next(os.walk(spath))[0]

print('Dirs = %s'% dirs)

# Loop through all of the files in the current root

for file in files:

# Copies these files into the current working directory

if file.endswith('.pptx'):

shutil.copy(file, 'Powerpoints')

elif file.endswith('.ppt'):

shutil.copy(file, 'Powerpoints')

pptx\_copy()