1. Add the current date to the text file today.txt as a string.

# 1. Add the current date to the text file today.txt as a string.

# import date from datetime package

from datetime import date

# Get today's date

today = date.today()

# convert today's date into string format using strftime function

d1 = today.strftime("%d/%m/%y")

# Create a notepad file with name today.txt and append d1

with open("C://Users//shara//Desktop//Javascript//today.txt",'w') as f:

f.write(d1)

# Check the file and its contents in the file directory

1. Read the text file today.txt into the string today\_string

# 2. Read the text file today.txt into the string today\_string

# open the notepad file today.txt in read mode

f = open("C://Users//shara//Desktop//Javascript//today.txt",'r')

# copy the text file today.txt data into the string today\_string

today\_string = f.read()

# Check if the string today\_string has stored the value from the notepad today.txt

print(today\_string)

1. Parse the date from today\_string.

# 3. Parse the date from today\_string.

# import datetime from datetime package

from datetime import datetime

# open the notepad file today.txt in read mode

f = open("C://Users//shara//Desktop//Javascript//today.txt",'r')

# copy the text file today.txt data into the string today\_string

today\_string = f.read()

# use strptime method to parse date from today\_string

date1 = datetime.strptime(today\_string,'%d/%m/%y')

# print the date1

print(date1)

1. List the files in your current directory

# import os package

import os

# store the directory path in the path variable

path = "C://Users//shara//Desktop//Javascript"

# use os.listdir to get the list of files in the directory

files\_list = os.listdir(path)

# Print the list of files

print("The list of files in the directory are : ")

print(files\_list)

output

The list of files in the directory are :

['00 - Setting Up for Javascript - Javascript Tutorials.mp4', '01-How to Install and Configure Eclipse for JavaScript Development.mp4', 'File1.pdf', 'File2.pdf', 'image1.png', 'Javascript lesson 1 - setting up editing environment, printing string to page.mp4', 'Javascript lesson 2 - variables, appending strings, adding numbers.mp4', 'Javascript lesson 3 - accepting input from user using message box or html form.mp4', 'JavaScript Tutorials for Beginners - Part 1 - How to Setup JavaScript.mp4', 'Resume1.docx', 'Resume2.docx', 'SampleNotepad.txt', 'Setup Your First Javascript Project Setting up a local Javascript environment.mp4', 'videofile1.mp4']

1. Create a list of all of the files in your parent directory (minimum five files should be available).

# 5. Create a list of all of the files in your parent directory (minimum five files should be available).

# import Path from pathlib package

from pathlib import Path

import os

# Get the path of parent directory

parent\_dir\_path = Path("C://Users//shara//Desktop//Javascript").parent

# Get the list of files in the parent directory

files\_list = os.listdir(parent\_dir\_path)

# Print the list of file in the parent directory

print(files\_list)

1. Use multiprocessing to create three separate processes. Make each one wait a random number of seconds between one and five, print the current time, and then exit.

# Use multiprocessing to create three separate processes.

# Make each one wait a random number of seconds between one and five, print the current time, and then exit.

# import the packages multiprocessing, datetime, time

import datetime

from multiprocessing import Process

import time

# Define a function, function1 which prints takes seconds as input parameter

# and wait for those seconds and print the date and time

def function1(val):

time.sleep(val)

t = datetime.datetime.now()

print(t)

# in the main() function, create 3 process objects, starts the processes and join the processes to next code

def main():

p1 = Process(target=function1, args=(1, ))

p1.start()

p2 = Process(target=function1, args=(3, ))

p2.start()

p3 = Process(target=function1, args=(4, ))

p3.start()

p1.join()

p2.join()

p3.join()

if \_\_name\_\_ == '\_\_main\_\_':

main()

1. Create a date object of your day of birth.

# 7. Create a date object of your day of birth.

# import datetime from datetime

from datetime import datetime

# get the date of birth from user

bday = input("Enter your date of birth in dd/mm/yy format")

# parse the string to date object

dob = datetime.strptime(bday,'%d/%m/%y')

# print the date object, dob

print(dob)

1. What day of the week was your day of birth?

# 8. What day of the week was your day of birth?

# import datetime from datetime

from datetime import datetime

# get the date of birth from user

bday = input("Enter your date of birth in dd/mm/yy format")

# parse the string to date object

dob = datetime.strptime(bday,'%d/%m/%y')

# Use strftime to display weekday

weekday = dob.date().strftime("%A")

# Print the weekday of your date of birth

print(weekday)

9. When will you be (or when were you) 10,000 days old?

# 9. When will you be (or when were you) 10,000 days old?

# import datetime from datetime

from datetime import datetime

# get the date of birth from user

from datetime import timedelta

bday = input("Enter your date of birth in dd/mm/yy format")

# parse the string to date object

dob = datetime.strptime(bday,'%d/%m/%y')

# get date part from the dob

date1 = dob.date()

# Add 10000 days to the date of birth

future\_date = date1 + timedelta(days=10000)

# Print the date where you will be 10000 days old

print(future\_date)