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1 of 2

Write a python program to rename the filename contains American style dates (MM - DD - YYYY) to European style dates (DD MM - YYYY) in the working (10 Marks) directory.

What are Assertions in python? Explain with an example. b.

(05 Marks)

c. Explain the file reading and writing process with suitable python program.

(05 Marks)

Module-4

How objects are mutable by nature justin with an example? 7

(04 Marks)

- Discuss the methods is instance() and hasattr() with suitable example for each. (06 Marks)
- What is operator over loading? Write program to add two point objects by overloading + operator. Also, overload - str - O to display point as an ordered pair. (10 Marks)

Define Inheritance. Explain with an example. 8

(06 Marks)

- b. Briefly discuss the importance of --init--() and --sti--() methods in python. (04 Marks)
- Demonstrate the polymorphism to generate histogram to count the number of times each (10 Marks) letter appears in word and in sentence.

Analyze the steps involved in downloading and saving web page on to local system along 9 (06 Marks)

b. List any 4 CSS selectors of bs4 module. Using Beautiful soup passel, retrieve all of the (06 Marks) paragraph tags in the web page www.amazon.com.

c. How selenium module is useful to deal with web pages. What methods do it uses to simulate (08 Marks) mouse clicks and keyboard keys?

Write a program to read the census data from the excel spreadsheet, count the number of census tracts in each country, count the total population of each country and prints the results.

1	Census tract	State	County	POP2010
9841	06075010500	CA	SanFrancsico	2685
9842	06075010600	CA	SanFrancisco	3894
9843	06075010700	CA	SanFrancisco	5592

(08 Marks)

b. How to zip the files and folders. Demonstrate with one example.

(04 Marks)

Write a script that will go through every PDF in a folder and encrypt the PDFS using a password provided on the command line. Save each encrypted PDF with an-encrypted pdf (08 Marks) suffix added to the original filename.

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