120 minutes

1/ Write a program in the python programming language to read data using webservice, printing the total number of men and women.

Webservice: https://api.androidhive.info/contacts/

(3 points)

2. Write a program in the python programming language using object-oriented programming techniques. The program enters a list of students, each with information on name, age and test scores. Sort students by decreasing age. Print the list of students before and after the sorting.

(3 points)

3. Write a program in the python programming language using data from the datafile.txt. The result is saved to the database file dbFU.sqlite. Create the table with information:

CREATE TABLE ProStatus (ProCode INTEGER, Deleted TEXT)

The program prints the number of processed records, the first 5 rows of the table when sorted in descending order by ProjectCode.

datafile.txt

ProjectCode Description Edit Delete Time

1 txt Edit Delete

2 txt Edit Undelete

9 csv Edit Undelete

10 csv Edit Undelete

11 txt Edit Undelete

12 txt Edit Delete

13 excel Edit Delete

14 excel Edit Undelete

15 csv Edit Delete

16 txt Edit Undelete

3 txt Edit Delete

4 doc Edit Delete

5 doc Edit Delete

6 doc Edit Undelete

7 doc Edit Delete

8 txt Edit Undelete

(4 points)

NOTE: The result is three files .py (renamed to \_py), compressed into a file named StudentID\_zip.