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Question: 3. Write a program in the python programming language using …

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

CREATE TABLE InFos (ProCode INTEGER, Deleted TEXT)

The program prints the number of processed records, the
first 3 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.
```

python

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Expert Answer ⓘ

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Please find the answer which is as shown below, Thankyou.

CODE:

import sqlite3

variables to store Project Code and Delete stats so that they can be stored into DB

project_code = []

delete_stats = []

reading the file data word by word

with open('datafile.txt', 'r') as file:

for line in file:

words = line.split()

storing the data into lists

project_code.append(words[0])

delete_stats.append(words[3])

project_code.pop(0)

delete_stats.pop(0)

#doing database updates

con = sqlite3.connect("dbTest.sqlite")

cur = con.cursor()

```python
cur.execute("CREATE TABLE InFos (ProCode INTEGER, Deleted TEXT)")

sql = "INSERT INTO InFos VALUES (?, ?)"

values = zip(project_code, delete_stats)

cur.executemany(sql, values)

query_for_ordering = "Select * from InFos Order By ProCode Desc limit 3;"

cur.execute(query_for_ordering)

query_result = cur.fetchall()

for i in query_result:

print(i)

cur.close()
```
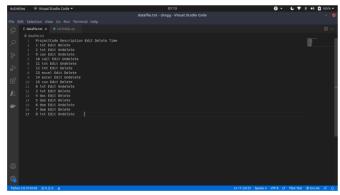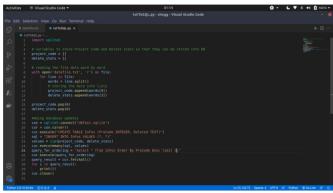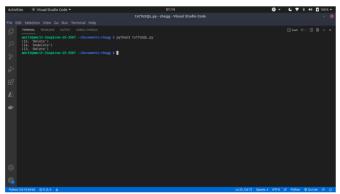
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For indentation and output refer these photos:

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