



SCHOOL OF COMPUTER AND INFORMATION SCIENCES

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## Class Assignment

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**Problem 1 Name [0]**

The content of the word file is the various research articles that are published on the topic of the "Suicide cases" and context of psychology, mental health, and like other reasons and various subjective domain relevant research articles, books, papers. arrange the unstructured data into a structured form to build an information system.

**Solution:**

We are going to use python to create, fill and extract useful information and store it in database.

## Listing 1: Python example

```
# importing required libraries
import mysql.connector
database = mysql.connector.connect(
    host=      localhost      ,
    user=      root           ,
    password=

# preparing a cursor object
cursorObj = database.cursor()
# creating database
cursorObj.execute( CREATE DATABASE IF NOT EXISTS I S M )
cursor.execute( USE I S M )

query = """CREATE TABLE IF NOT EXISTS paper(
    heading VARCHAR(100),
    paper_link VARCHAR(50),
    VARCHAR(50),
    profile VARCHAR(50),
    cited_count INTEGER(50);
cursorObj.execute(query)
file = open(C:/Users/dell/Desktop/SemV /ISM/ClassWork_ISM.doc', 'n', encoding=
content = file.read()
author =
profile =
paper = ""
heading = ""
count = 0
for l in content.split("\ n ")[4:50]:
    Out = ' '
    for letter in l:
        if letter.isprintable():
            out += letter
    if Full View not in out and Related articles not in out:
        if 'hyperlink' in out and 'user' in out:
            words = out.split(' ')
            author, profile = .join(words[3:5]), words[2]
```

```

elif      hyperlink      in out:
words = out.split(' ')
paper, heading = words[2],      .join(words[3:])
if Cited by in out:
count = int(out.split('Cited by ')[1].split('hyperlink ')[0].replace(' ', ''))
add_paper = ( INSERT INTO paper
VALUES (%s, %s, %s, %s, %s) )
data_paper = (heading.replace(' ', ''), paper.replace(' ', ''),
author.replace(' ', ''), profile.replace(' ', ''), count)
cursorObj.execute(add_paper, data_paper)
file.close()
database.commit()
cursorObj.close()
database.close()

```

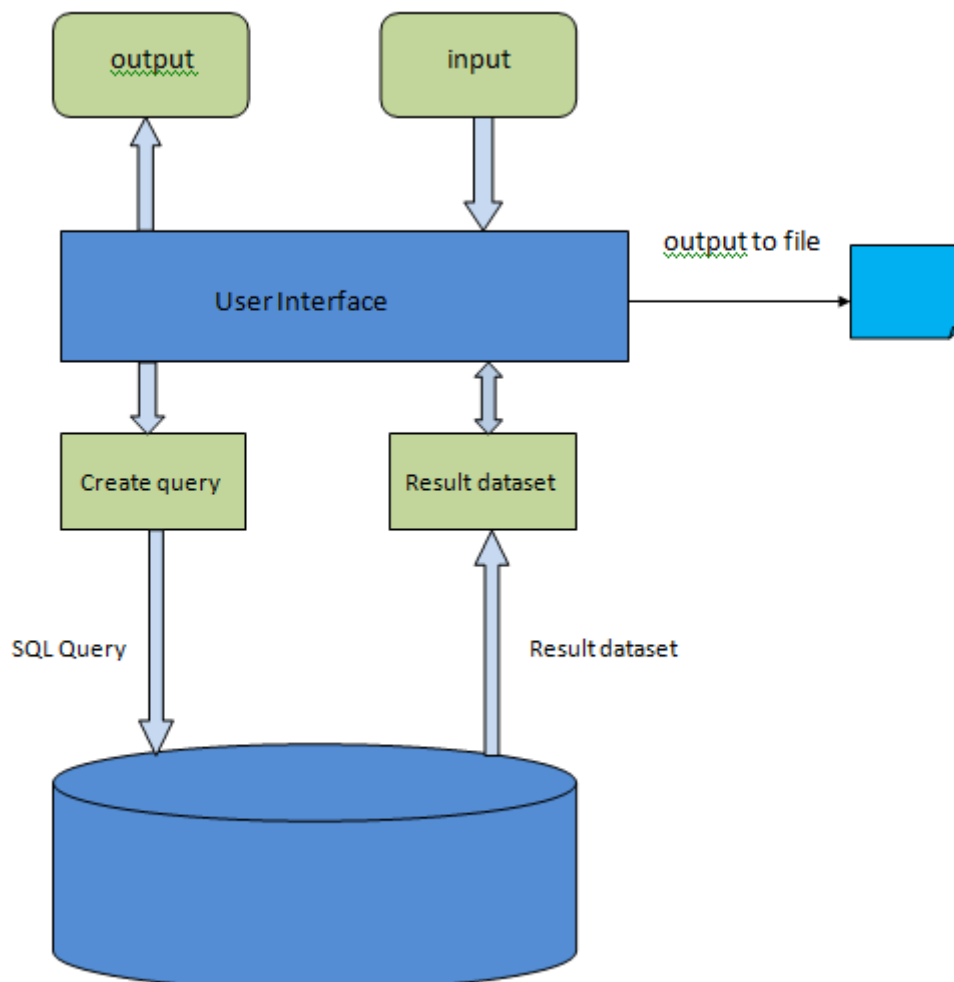


Figure 1: flow chart

**Flow****chart**

## References

- [1]Python doc <https://www.python.org/doc/>
- [2]MySQL doc <https://dev.mysql.com/doc/connector-python/en/connector-python-introduction.html>