STUDENT MANAGEMENT SYSTEM

DBMS PROJECT

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Hari Hara 245

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ABSTRACT

WHAT IS STUDENT MANAGEMENT SYSTEM ?

STUDENT MANAGEMENT IS A SKILL THAT THE TEACHERS AND OTHER STAFF IN SCHOOL OR COLLEGE HAVE TO HONE OVER TIME. IT IS DEFINED AS A SKILLSET, WHICH EVERY TEACHER GAINS WITH TIME AS IT HELPS THEM IN MANAGING THE STUDENTS EFFECTIVELY.

OBJECTIVE

To store and Manage records of student.

To store and Manage Subjects offered

To map students with the subject information

IMPORTED LIBRARIES

- Tkinter
- Sqlite 3
- Pandas

WHY TKINKTER ?

TKINTER IS THE STANDARD GUI LIBRARY FOR PYTHON. PYTHON WHEN COMBINED WITH TKINTER PROVIDES A FAST AND EASY WAY TO CREATE GUI APPLICATIONS. TKINTER PROVIDES A POWERFUL OBJECT-ORIENTED INTERFACE TO THE TK GUI TOOLKIT.

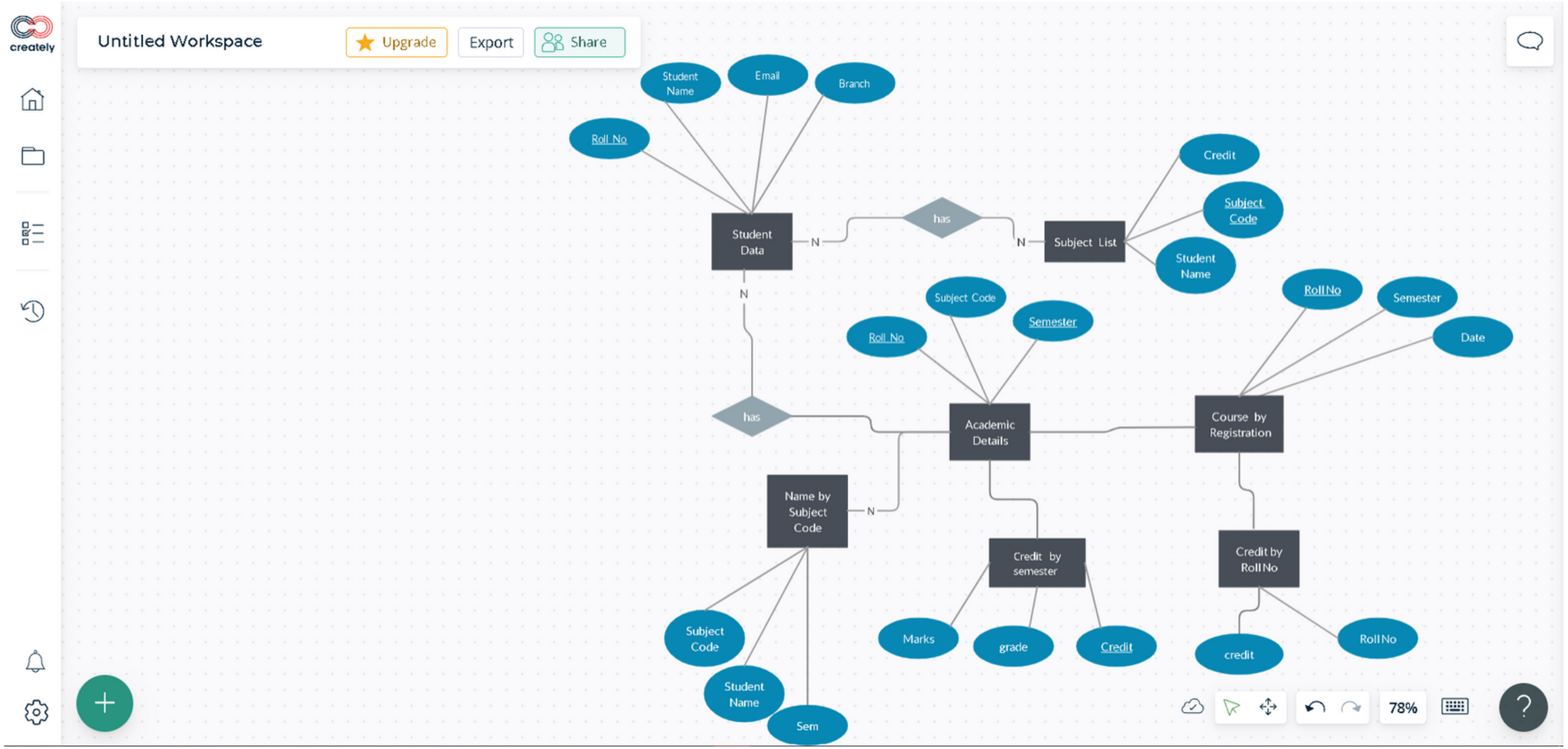
WHY SQLITE 3 ?

SQLITE IS A C LIBRARY THAT PROVIDES A LIGHTWEIGHT DISK-BASED DATABASE THAT DOESN'T REQUIRE A SEPARATE SERVER PROCESS AND ALLOWS ACCESSING THE DATABASE USING A NONSTANDARD VARIANT OF THE SQL QUERY LANGUAGE. SOME APPLICATIONS CAN USE SQLITE FOR INTERNAL DATA STORAGE.

WHY PANDAS ?

PANDAS IS ALSO VERY EFFECTIVE FOR VISUALIZING DATA TO SEE TRENDS AND PATTERNS. ALTHOUGH EXCEL'S INTERFACE FOR MAKING GRAPHS AND CHARTS IS EASY TO USE, PANDAS IS MUCH MORE MALLEABLE AND CAN DO MUCH MORE. GRAPHS ARE MUCH MORE CUSTOMIZABLE AND YOU CAN CREATE PRETTY MUCH ANY CONCEPT YOU WANT WITH PANDAS.

ER DIAGRAM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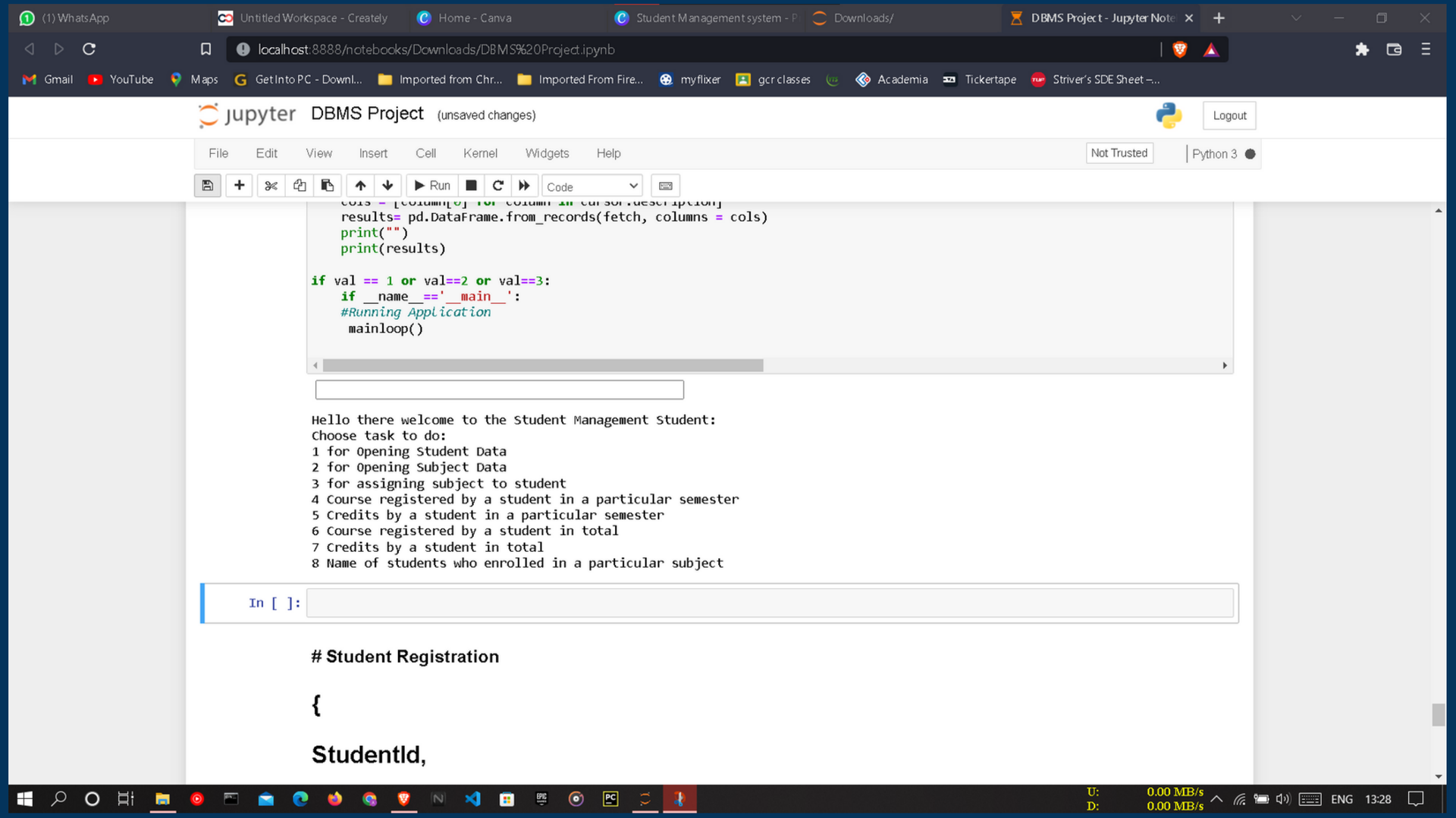
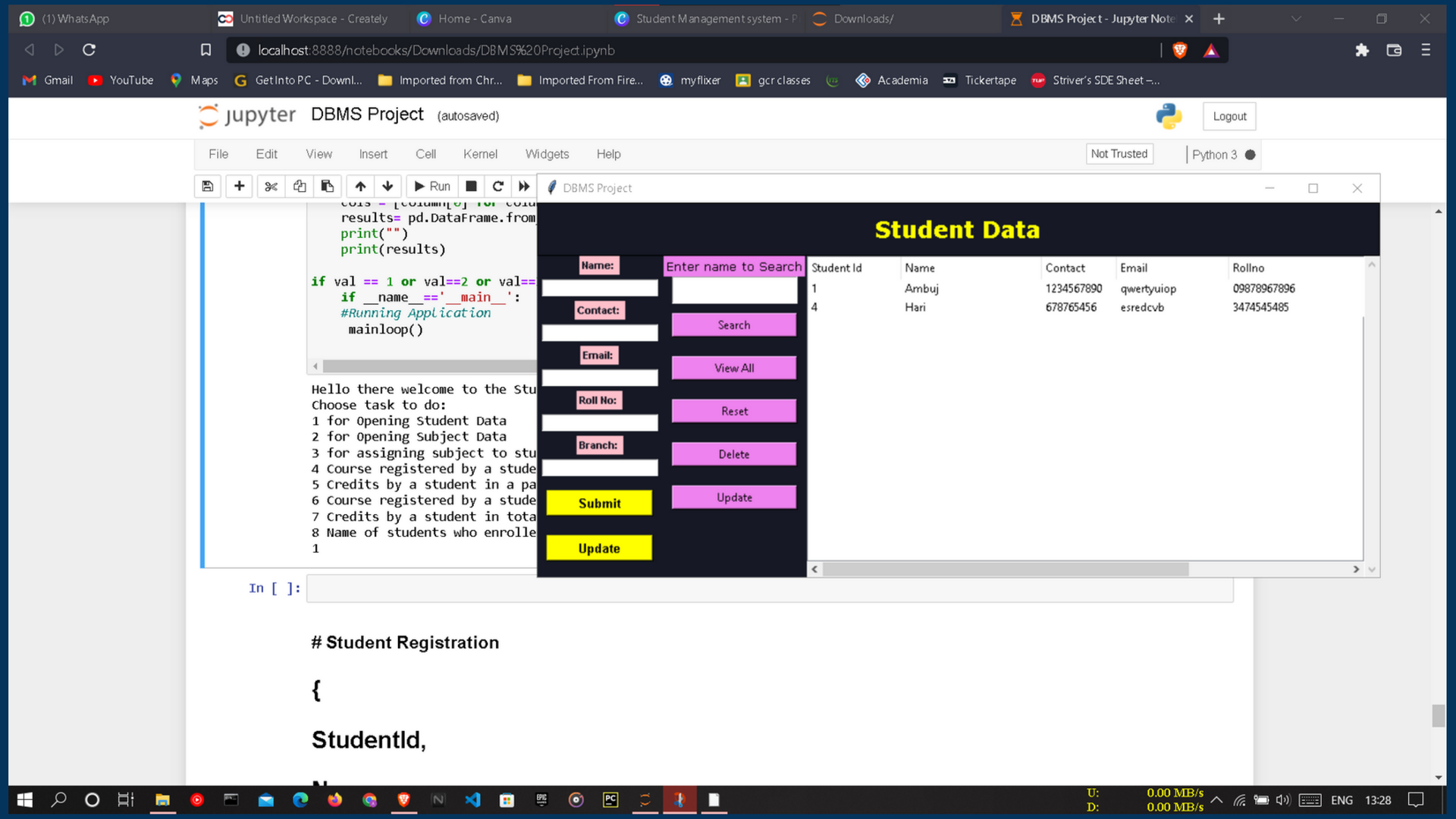
SCREENSHOTS

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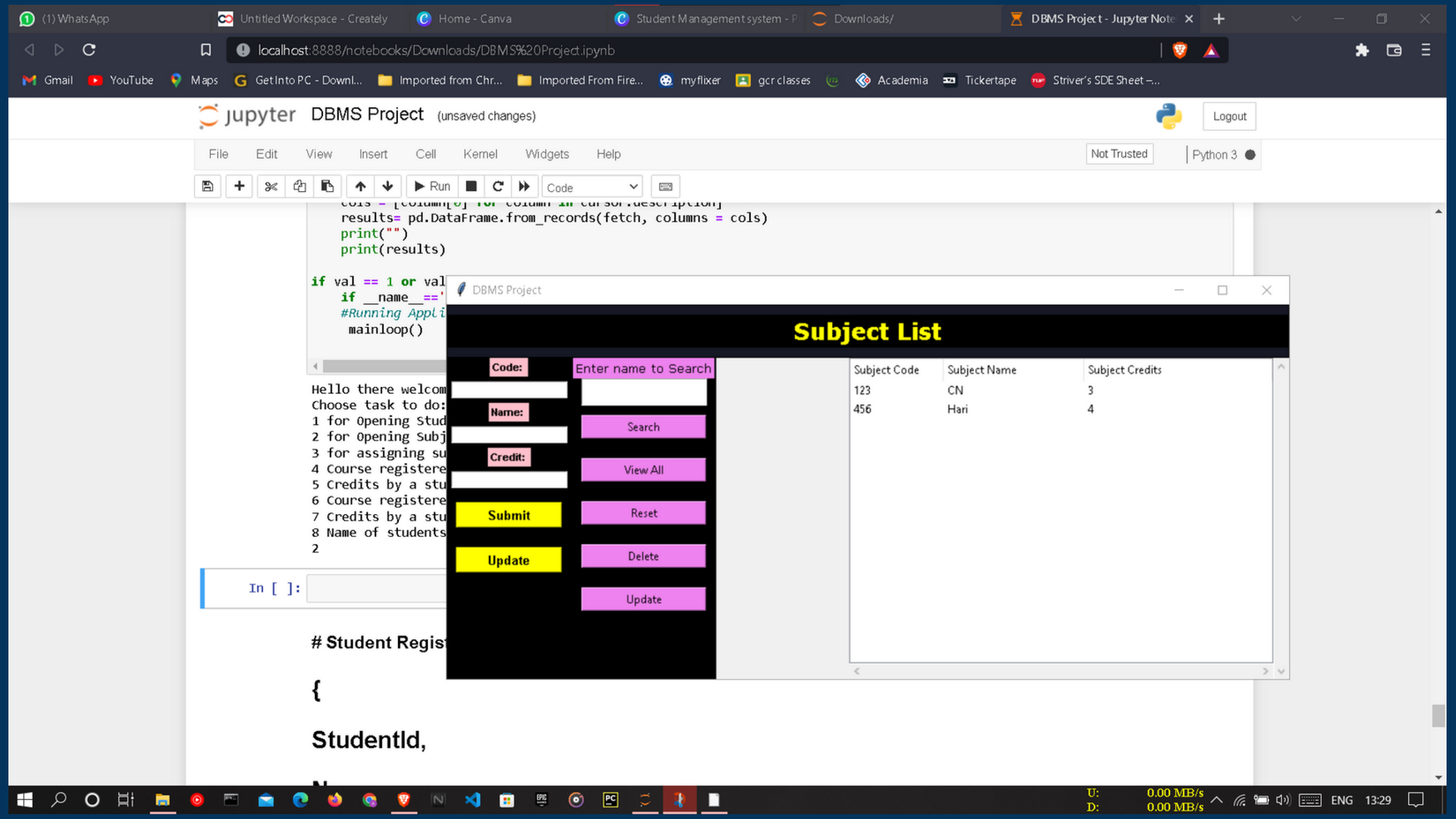
Logout
File Edit View Insert Cell Kernel Widgets Help
Not Trusted
Python 3
Run
DBMS Project
Student Data
Name:
Contact:
Email:
Roll No:
Branch:
Submit
Update
Enter name to Search
Search
View All
Reset
Delete
Update
Student Id
Name
Contact
Email
Rollno
1
Ambuj
1234567890
qwertyuiop
09878967896
4
Hari
678765456
esredcvb
3474545485
results= pd.DataFrame.from
print("")
print(results)
if val == 1 or val==2 or val==
if __name__=='__main__':
#Running Application
mainloop()
Hello there welcome to the Stu
Choose task to do:
1 for Opening Student Data
2 for Opening Subject Data
3 for assigning subject to stu
4 Course registered by a stude
5 Credits by a student in a pa
6 Course registered by a stude
7 Credits by a student in tota
8 Name of students who enrolle
1
In [ ]:
# Student Registration
{
StudentId,
U: 0.00 MB/s
D: 0.00 MB/s
ENG
13:28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Striver's SDE Sheet –...
jupyter DBMS Project (unsaved changes)
Logout
File Edit View Insert Cell Kernel Widgets Help
Not Trusted
Python 3
Run
Code
results= pd.DataFrame.from_records(fetch, columns = cols)
print("")
print(results)
if val == 1 or val
if __name__=='
#Running Appli
mainloop()
Hello there welcom
Choose task to do:
1 for Opening Stud
2 for Opening Subj
3 for assigning su
4 Course registere
5 Credits by a stu
6 Course registere
7 Credits by a stu
8 Name of students
2
In [ ]:
# Student Regis
{
StudentId,
DBMS Project
Subject List
Code:
Name:
Credit:
Submit
Update
Enter name to Search
Search
View All
Reset
Delete
Update
Subject Code
Subject Name
Subject Credits
123
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4
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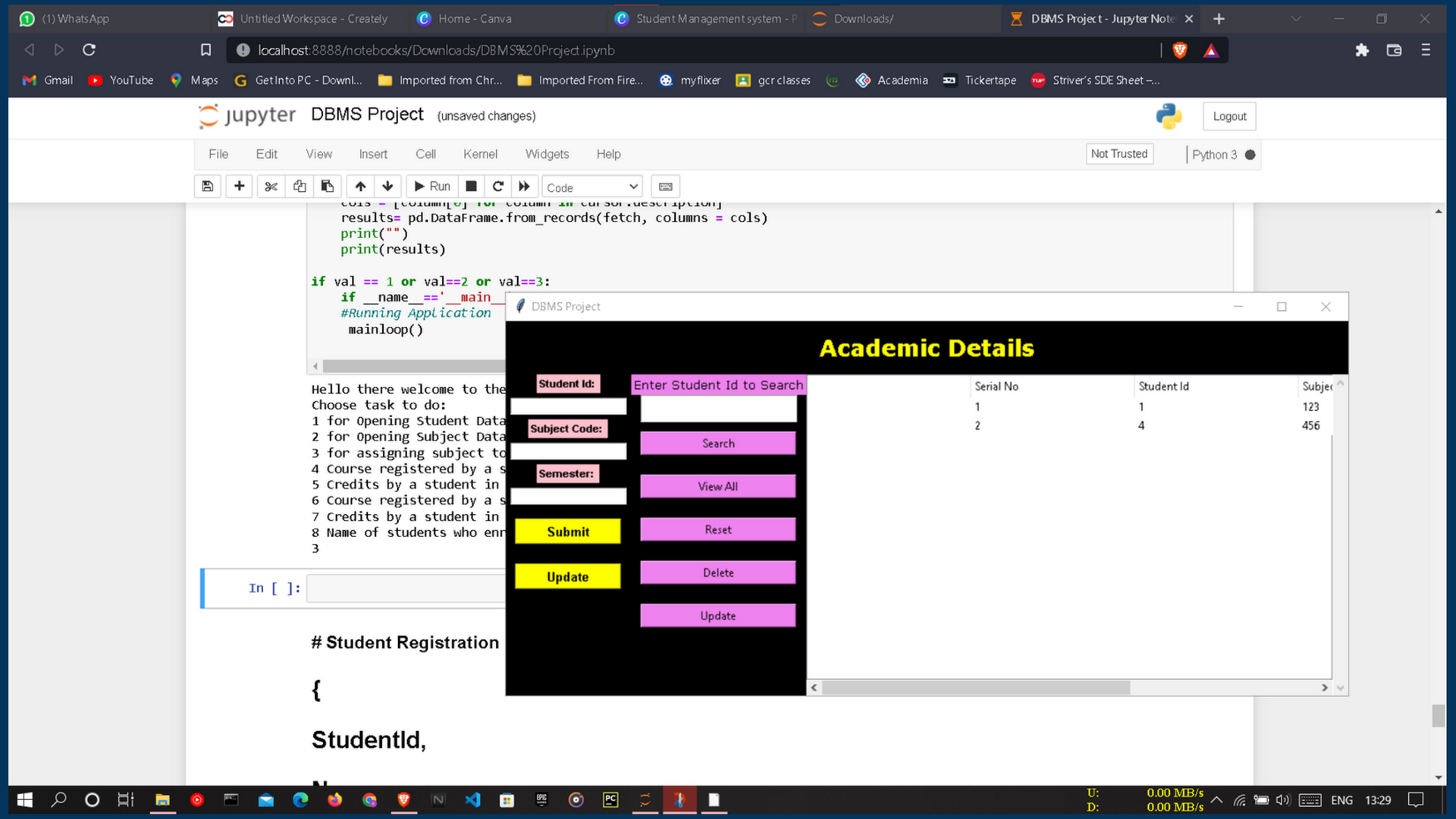
0.00 MB/s
ENG
13:29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5 Credits by a student in
6 Course registered by a s
7 Credits by a student in
8 Name of students who enr
3
In [ ]:
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{
StudentId,
DBMS Project
Academic Details
Student Id:
Enter Student Id to Search
Subject Code:
Semester:
Search
View All
Submit
Reset
Update
Delete
Update
Serial No
Student Id
Subjec
1
1
123
2
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ENG
13:29

Thank you!