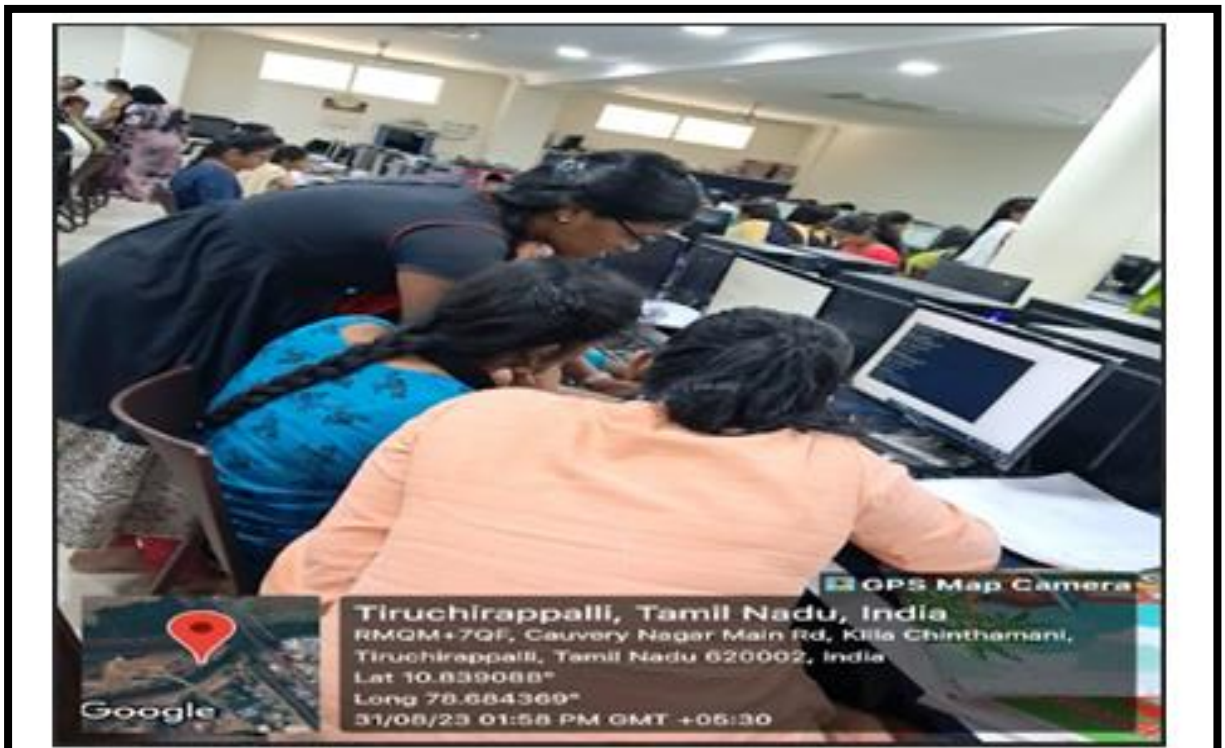
Key Indicator - 2.3 Teaching - Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experience and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Problem Solving – Bugs to Bytes

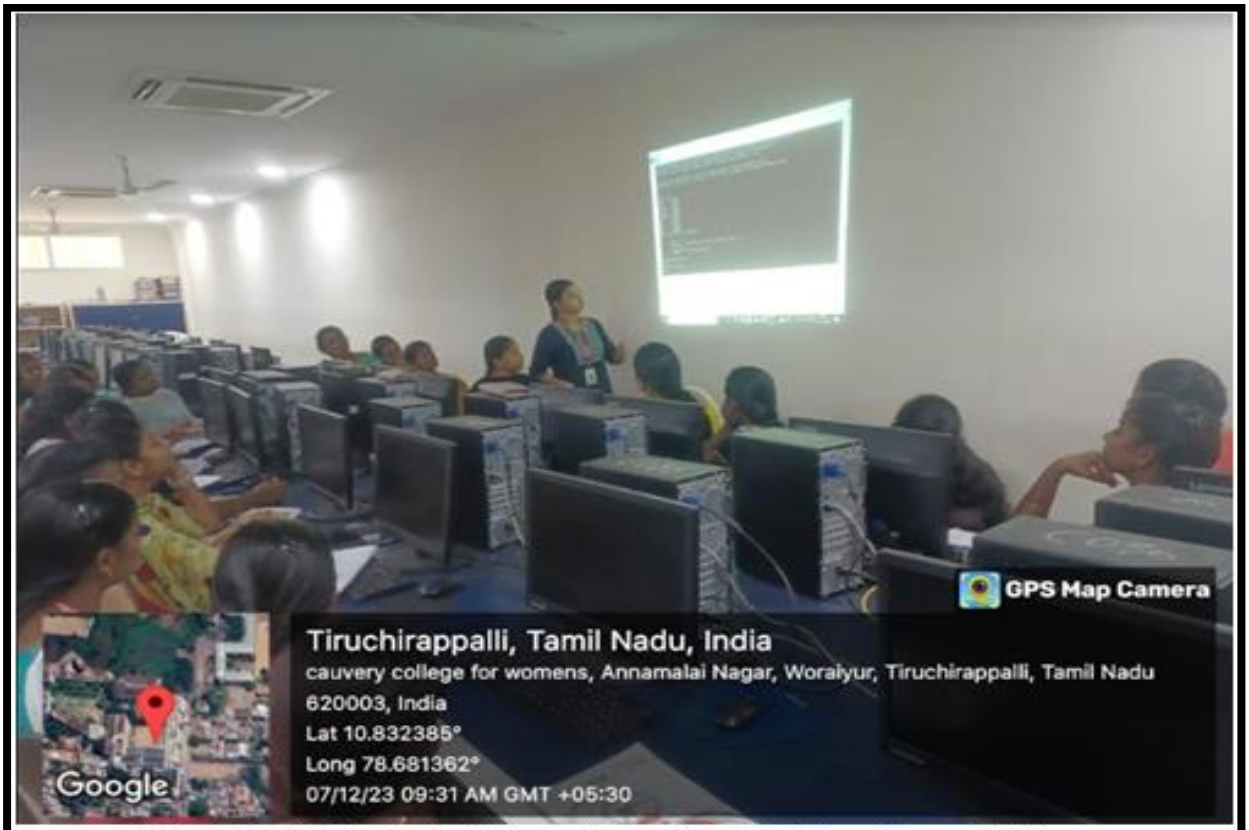
Program writing, execution, and debugging are fundamental aspects of technical education for students at various levels, from beginners to advanced learners. The process of program writing, execution, and debugging is often scaffolded through structured assignments, projects, and exercises. Students are also engaged in coding competitions and hackathons to apply their skills in practical settings and to further refine their abilities.

SAMPLE PROOFS



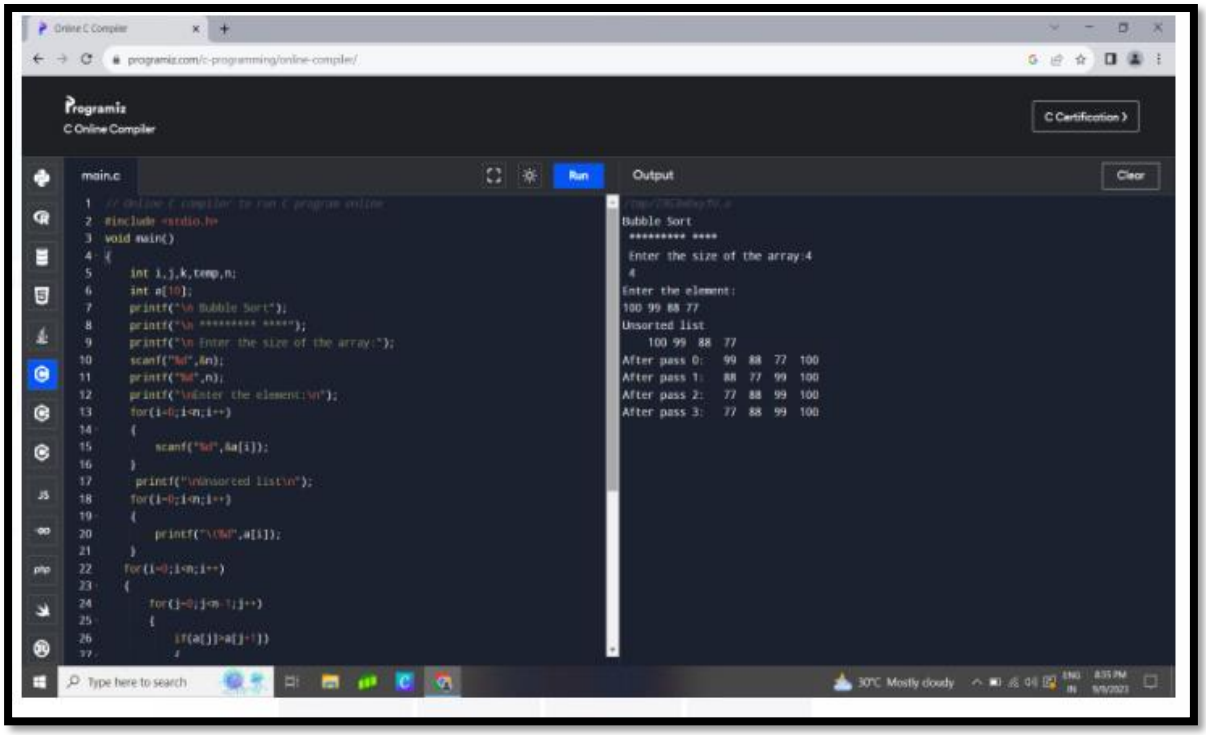
Computer Science students engaged in debugging in their computer graphics lab session

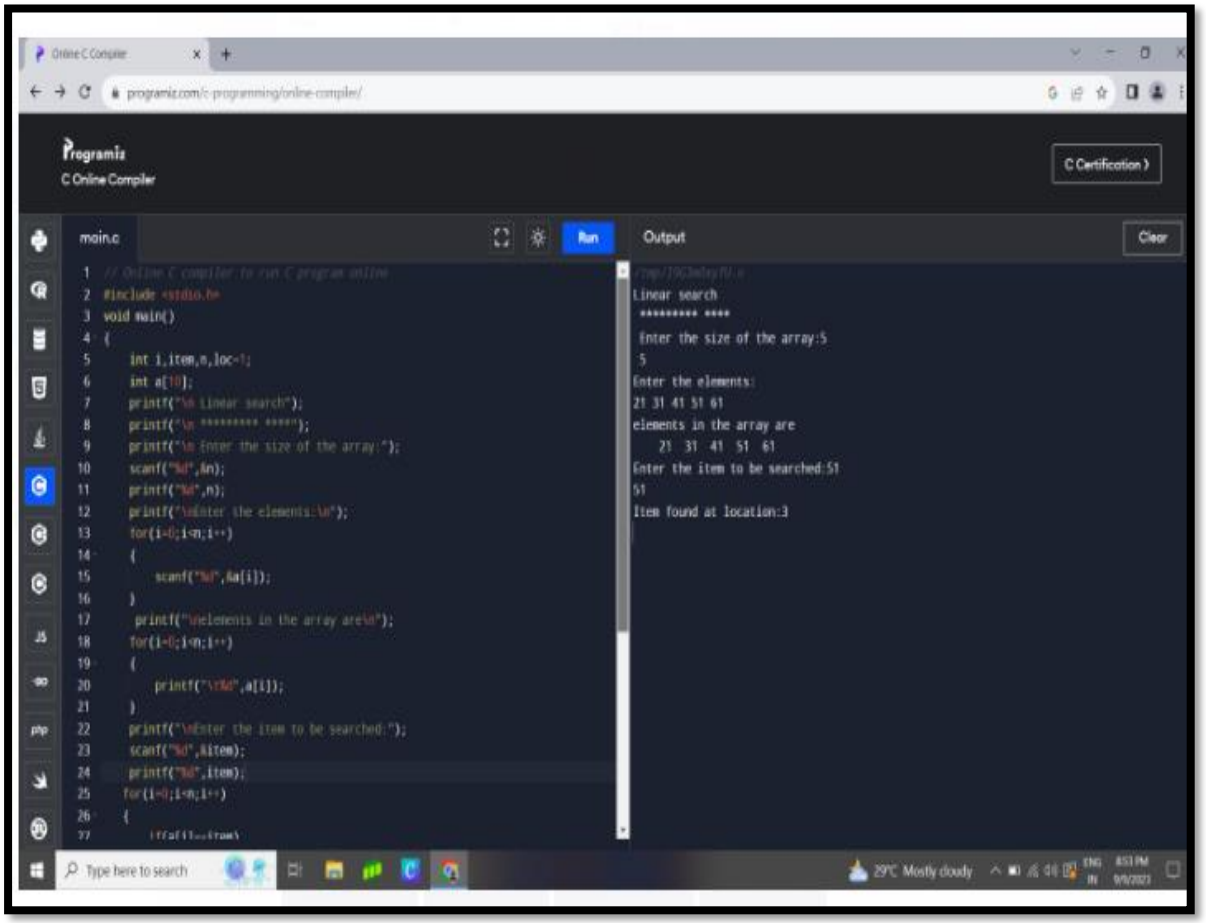
Innovative Effort to create a Video using Shotcut Tool by M.Sc C.Sc Students



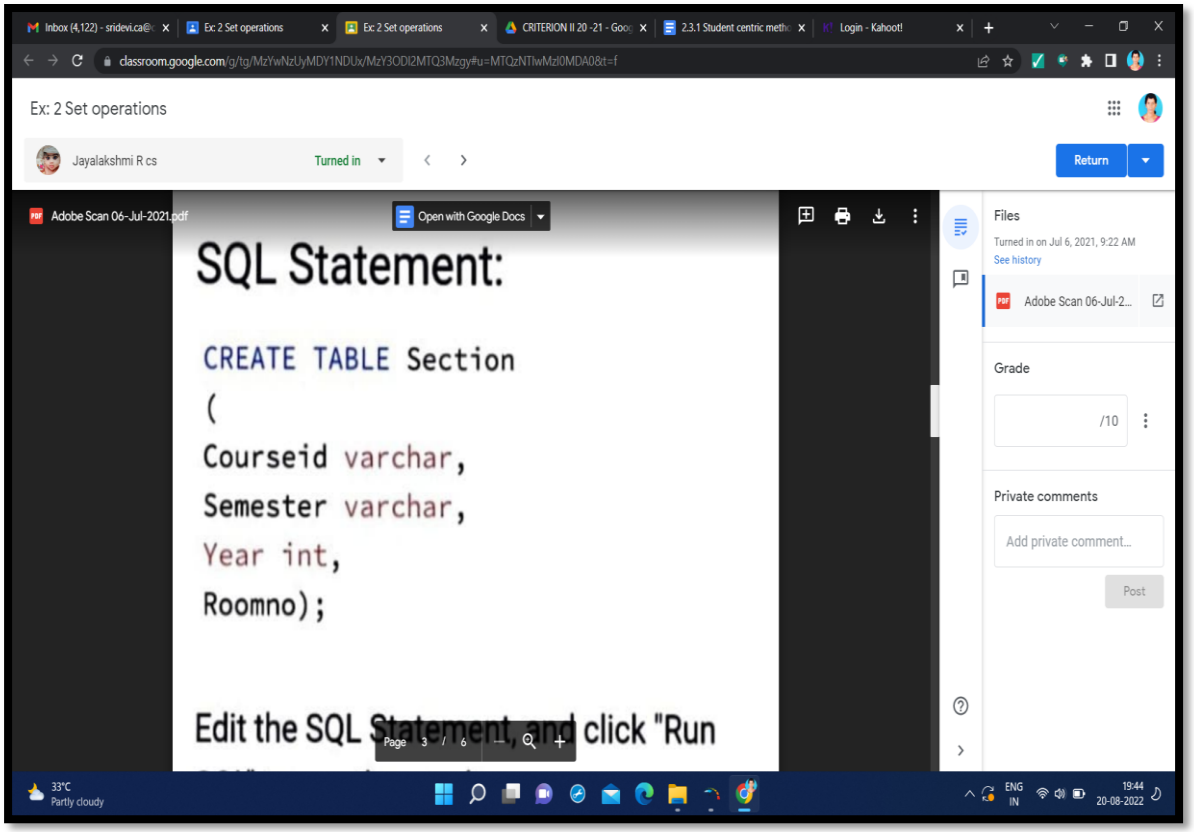
M.Sc C.Sc students to installing and executing Free Open Source Software

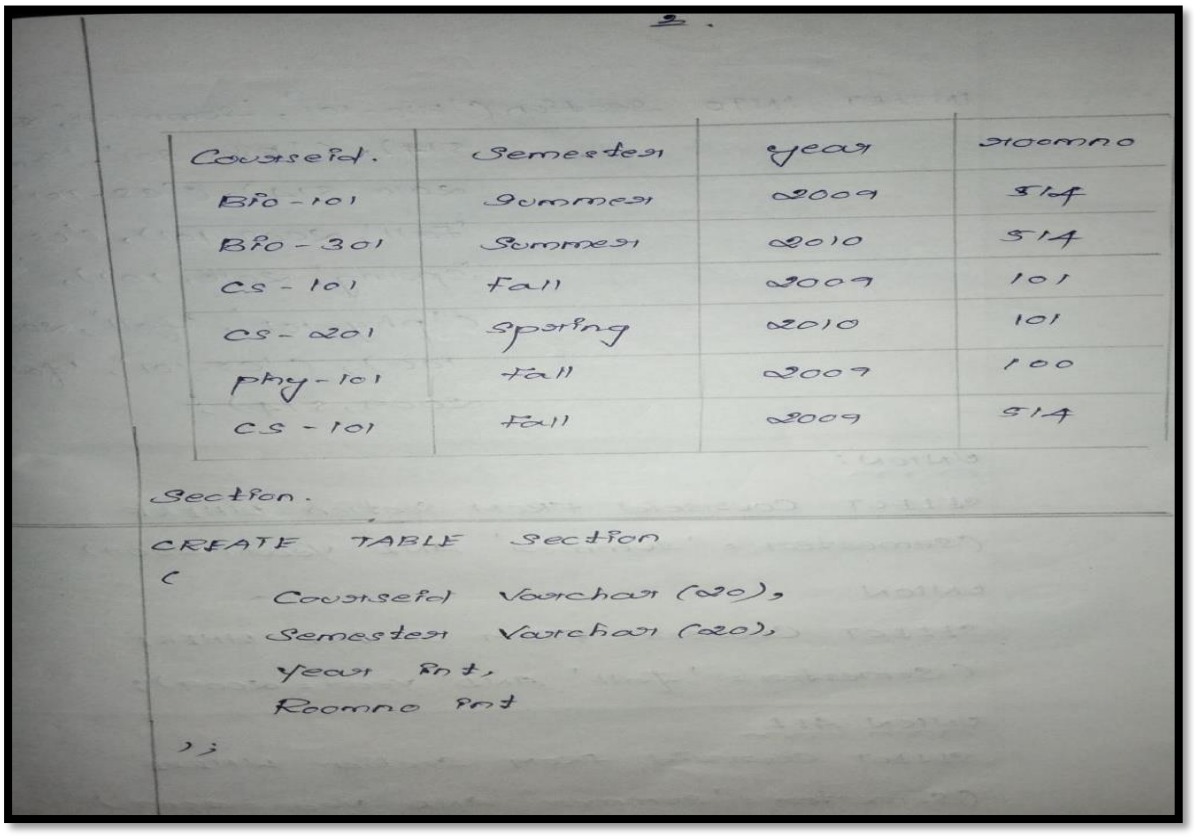
DATASTRUCTURES LAB CODING

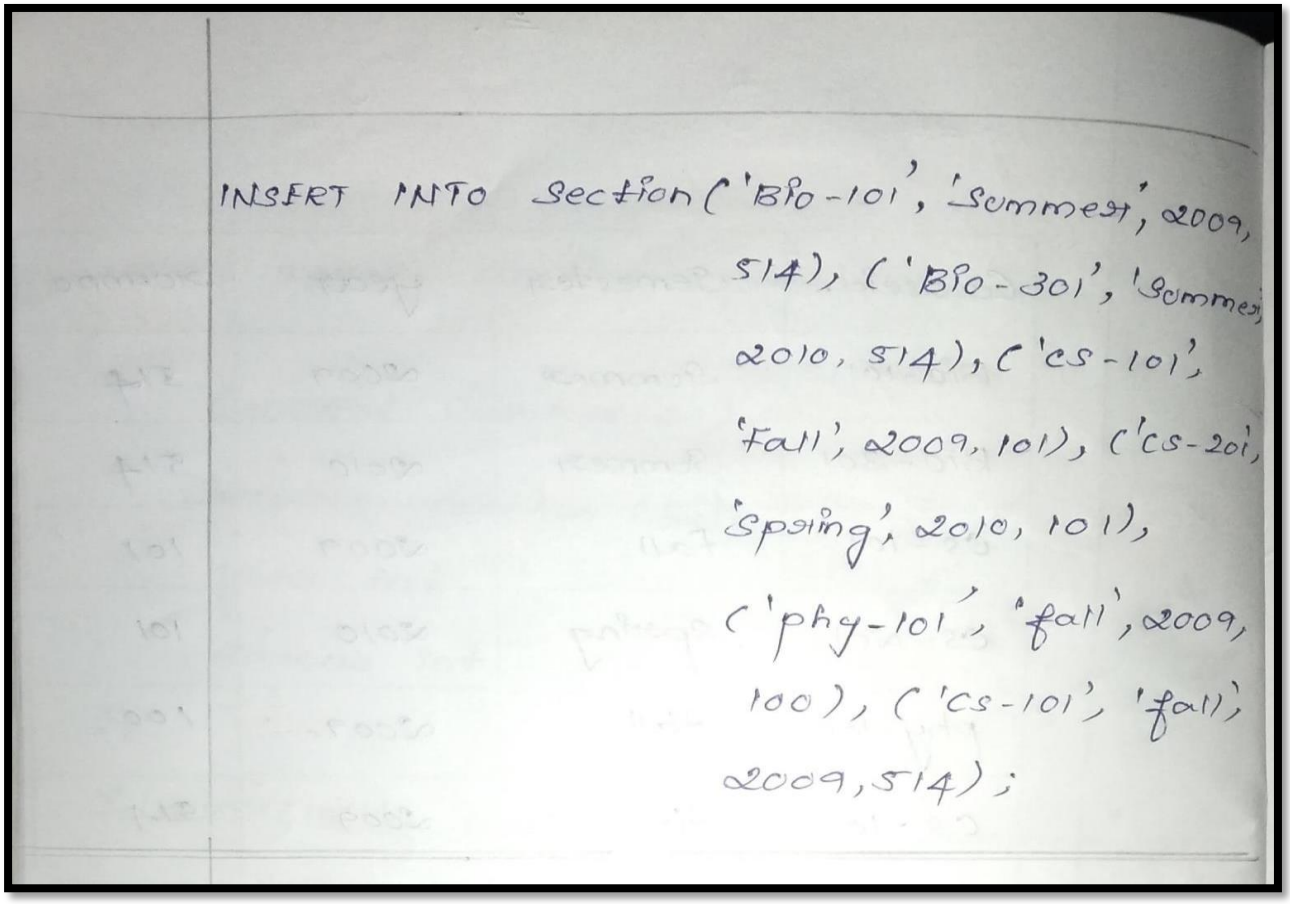




DATASBASE MAMAGEMENT SYSTEMS LAB





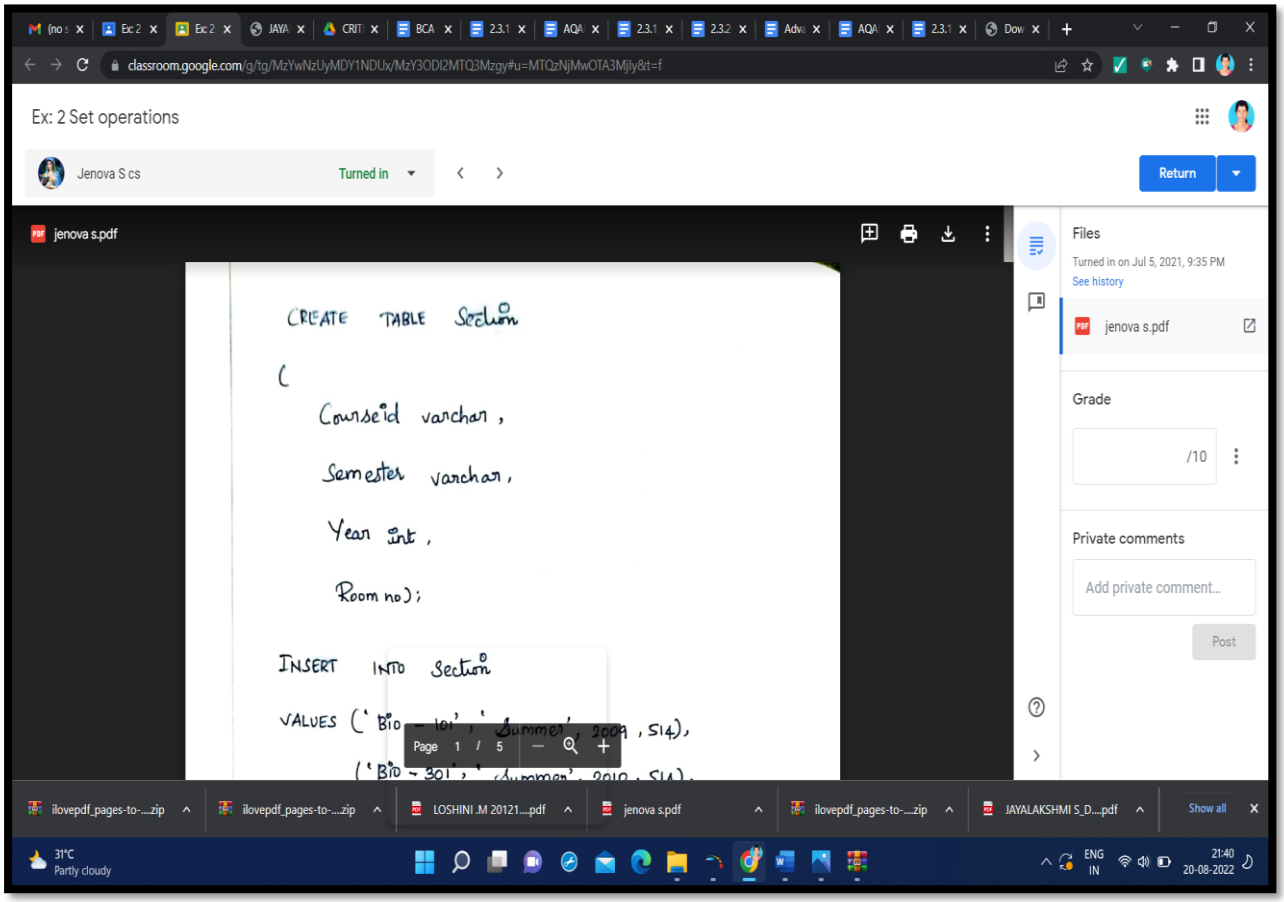


```
INSERT INTO Section('Bio-101','summer',2009,514),('Bio-301','summer',2010,514),
('cs-101','fall',2009,101),('cs-201','spring',2010,101),
('phy-101','fall',2009,100),
```

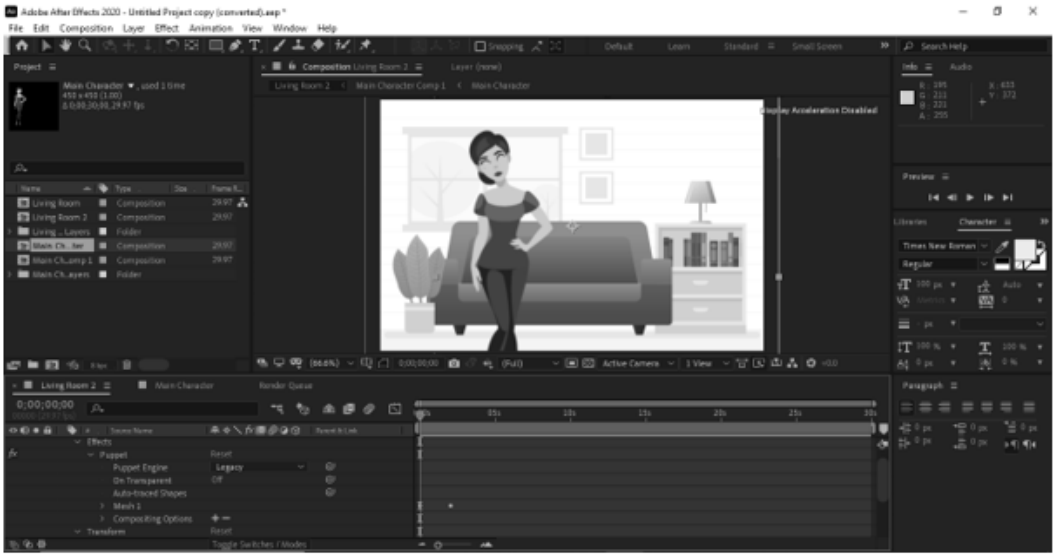
Result:

Number of Records: 6

courseid	semester	syear	roomno
Bio-101	summer	2009	514
BIO-301	Summer	2010	514
cs-101	spring	2010	101
cs-201	spring	2010	101
phy-101	fall	2009	1001
cs-101	fall	2009	514



AFTER PERFORMING THE KEY FRAME ANIMATION ON THE MAIN CHARACTER IMAGE



```
CREATE TABLE Section
(
    Courseid varchar,
    Semester varchar,
    Year int,
    Room no);

INSERT INTO Section
VALUES ('Bio - 101', 'Summer', 2009, 514),
       ('Bio - 301', 'Summer', 2010, 514),
       ('CS - 101', 'fall', 2009, 101),
       ('CS - 201', 'spring', 2010, 101),
       ('Phy - 101', 'fall', 2009, 100),
       ('CS - 101', 'fall', 2009, 514).

SELECT * FROM [Section]
```

Courseid	Semester	Year	Roomno
Bio - 101	Summer	2009	514
Bio - 301	Summer	2010	514
CS - 101	fall	2009	101
CS - 201	spring	2010	101
Phy - 101	fall	2009	100
CS - 101	fall	2009	514

SQL Statement:

```
CREATE TABLE Section
(
Courseid varchar,
Semester varchar,
Year int,
Roomno);
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

You have made changes to the database.

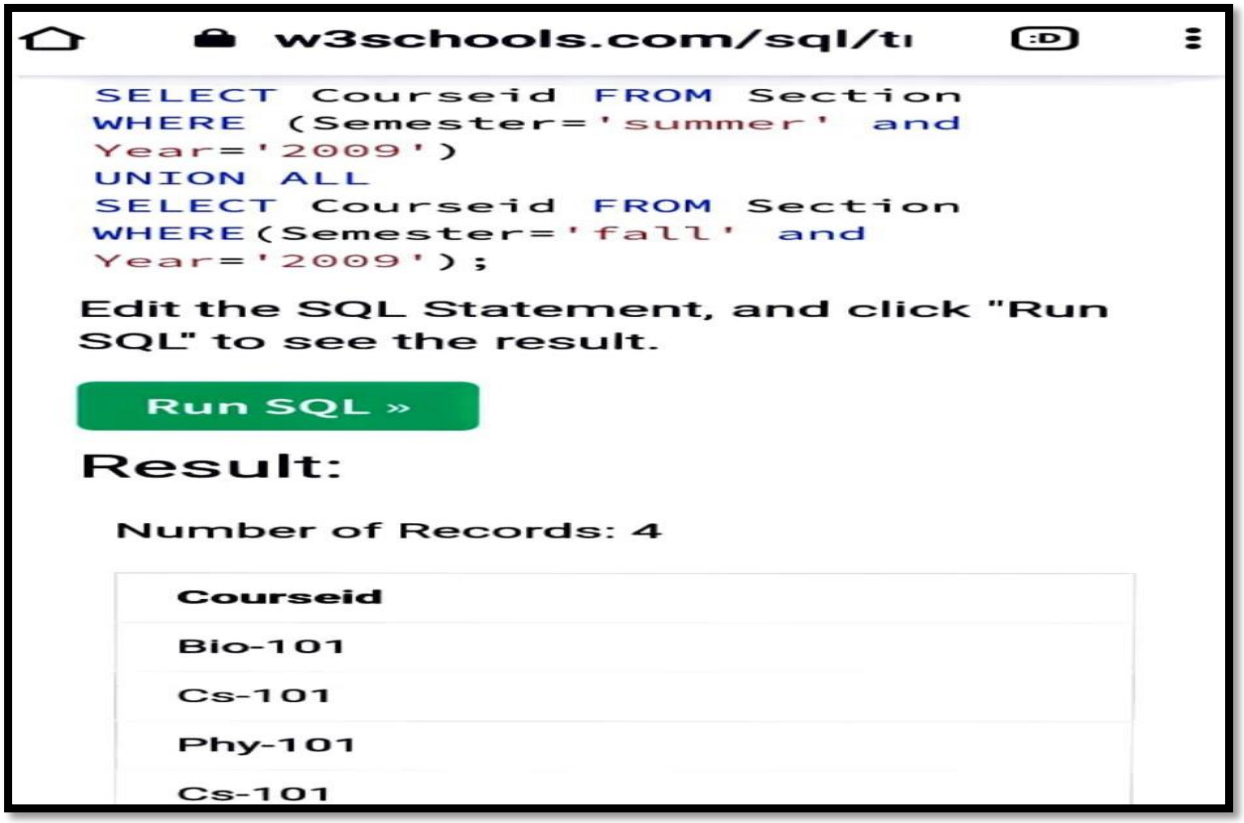
```
INSERT INTO Section
VALUES('Bio-
101','summer',2009,514),('Bio-
301','summer',2010,514),('Cs-
101','fall',2009,101),('CS-
201','spring',2010,101),('Phy-
101','fall',2009,100),('Cs-
```

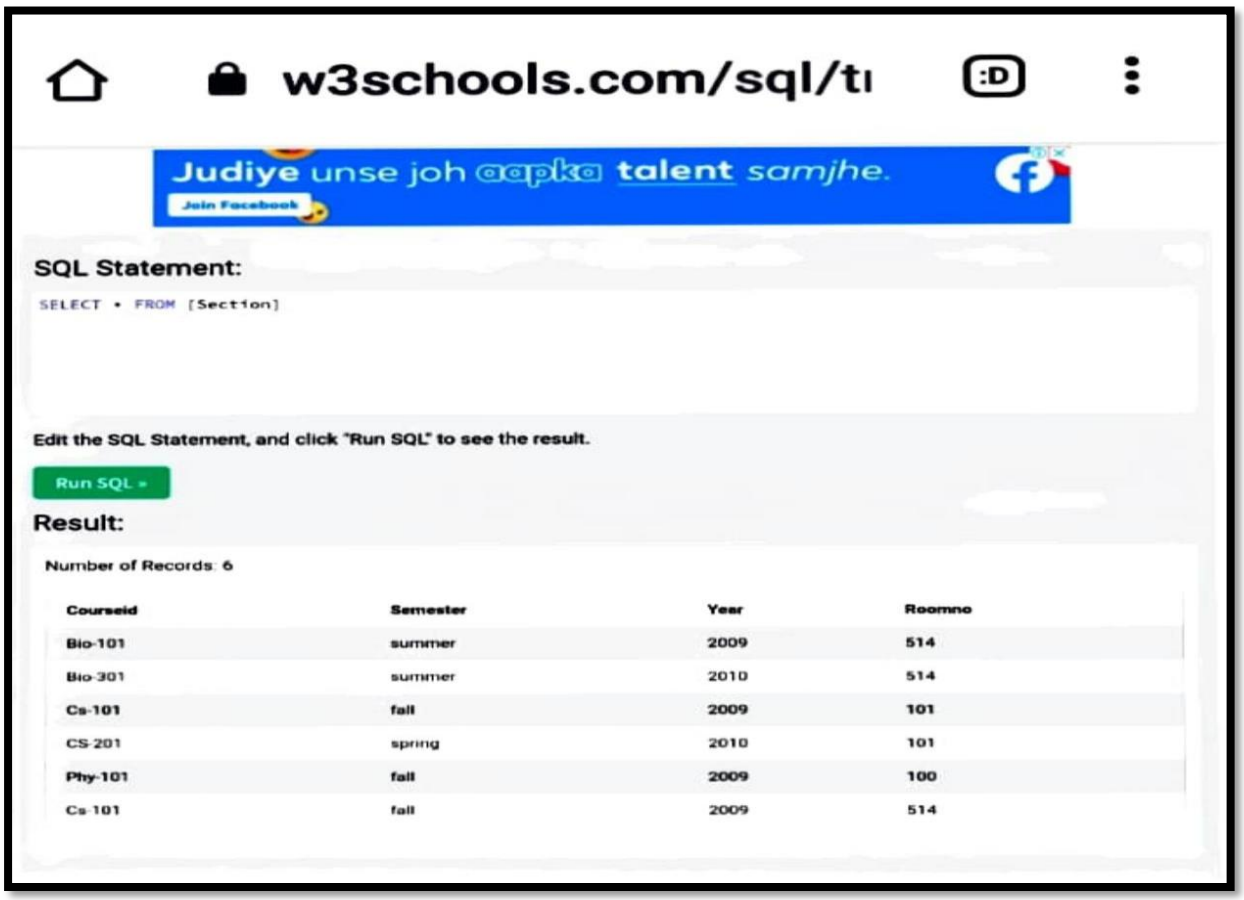
Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

You have made changes to the database. Rows affected: 6


w3schools.com/sql/t
SELECT Courseid FROM Section
WHERE (Semester='summer' and
Year='2009')
UNION ALL
SELECT Courseid FROM Section
WHERE(Semester='fall' and
Year='2009');
Edit the SQL Statement, and click "Run SQL" to see the result.
Run SQL »
Result:
Number of Records: 4
Courseid
Bio-101
Cs-101
Phy-101
Cs-101


w3schools.com/sql/t
Judiye unse joh aapko talent samjhe.
Join Facebook
SQL Statement:
SELECT * FROM [Section]
Edit the SQL Statement, and click "Run SQL" to see the result.
Run SQL »
Result:
Number of Records: 6
Courseid Semester Year Roomno
Bio-101 summer 2009 514
Bio-301 summer 2010 514
Cs-101 fall 2009 101
CS-201 spring 2010 101
Phy-101 fall 2009 100
Cs-101 fall 2009 514

TROUBLESHOOTING A PERSONAL COMPUTER

Bugs to Bytes are a valuable problem-solving methodology that helps developers identify, analyse, and resolve software bugs effectively. By following a structured approach, collaborating with stakeholders, and leveraging lessons learned, developers can improve software quality, enhance user experience, and drive continuous improvement in software development processes.

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Designation: Principal, Cauvery College for Women (Autonomous)
Reason: NAAC
Location: Tiruchirappalli,Tamil Nadu, India.
Date: 11-Sep-2024 14:32:46