

## 20. ILLUSTRATION OF CONNECTIVITY PROGRAMMING-IV

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Integrate SQL with python by importing the MYSQL module and to implement the DML commands(DELETE and SELECT). Populate the STUDENT(Roll, Name, Stream, Section)table with 4 records of your choice and do the following tasks:

- Accept the roll no: of the student to be deleted.
- Delete the Record
- Display all the records (After deletion)

### Source Code

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```
import mysql.connector as msc

try: # Using a try block to catch errors
    conn = msc.connect(host='localhost',user='root',password='password',datab

    if (conn.is_connected()): #checking if the connection is established
        print('Connected')
    else:
        print('Connection not established')

    cur = conn.cursor()

    while True:
        print("=====")
        print("What would you like to do?")
        print("""
        [1] Delete a record
        [2] Display the table
        [3] Exit
        """)

        ch = input("Enter your choice[1/2/3]: ")

        if ch == "1":
            roll = input("Enter roll no of student to delete: ")

            cur.execute("delete from student where roll={}".format(roll))

            conn.commit()
            print("Record has been deleted")
```

```

elif ch == "2":
    cur.execute('select * from student')
    rows = cur.fetchall() #retrieving data from the result set

    print('Data from the student table is as follows:\n')

    for i in rows: #displaying the table
        print(i[0], ' ', i[1], ' ', i[2], ' ', i[3])

elif ch == "3":
    print("[ Exiting ]") # Break from the loop to exit
    break

else:
    print("[ Invalid Choice ]") # In case user inputs a choice that w

cur.close()
conn.close()

except Exception as e:
    print(e)

```

## OUTPUT

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```

Connected
=====
What would you like to do?

    [1] Delete a record
    [2] Display the table
    [3] Exit

Enter your choice[1/2/3]: 2
Data from the student table is as follows:

1      Alice      COMPUTER SCIENCE      A
2      Bob        COMMERCE          B
3      Charlie    HUMANITIES          C
4      David      COMPUTER SCIENCE      D
=====
What would you like to do?

    [1] Delete a record
    [2] Display the table
    [3] Exit

Enter your choice[1/2/3]: 1
Enter roll no of student to delete: 4

```

Record has been deleted

=====

What would you like to do?

- [1] Delete a record
- [2] Display the table
- [3] Exit

Enter your choice[1/2/3]: 2

Data from the student table is as follows:

1	Alice	COMPUTER SCIENCE	A
2	Bob	COMMERCE	B
3	Charlie	HUMANITIES	C

=====

What would you like to do?

- [1] Delete a record
- [2] Display the table
- [3] Exit

Enter your choice[1/2/3]: 3

[ Exiting ]