

SET 7:

1. Write a Python script code which will open a web server at port 60 and what ever the client is saying all the contents goes to the server.

Client Data: Hi server ,Im ready to transfer my data

This is socket application

Server data: Hi Client ,Im ready to transfer my data

This is socket application

2. Develop a website for a gymnasium in which customer can get all information about the gymnasium and he/she can access or enroll at the gym via online. The design format for the Gym scheduler is given below based on that answer the following questions.

Compound Tracker for Weightlifting

Compound Lift Bench

Day (dd) Date, Max Weight, Reps

Month (mm) 2019-02-02 30 4

Year (yyyy)

Max Weight (KG)

Reps They are ordered from most recent

Clear Submit Delete Update

Open DB Bench

1. Mention the number of widgets used in the above form?
2. How to insert a new customer record , write the event method code?
3. Write a complete syntax to create compound lift widget and day widget.
4. What are the geometry manager used in this form and write a syntax used to add update button widget into that.

3. Write a GUI based python program for designing a clock which displays the current time according to AM/PM format digitally. The sample output should be as follows:

Output:



4. Write a python program to insert data into the database table and display all the records.

5. Write a multithread program (create minimum two threads) to display the current time stamp.

The sample output is as follow:

```
Starting Thread-1
Starting Thread-2
Exiting Main Thread
Thread-1: Sun Mar 21 12:36:42 2021
Thread-2: Sun Mar 21 12:36:43 2021
Thread-1: Sun Mar 21 12:36:43 2021
Thread-1: Sun Mar 21 12:36:44 2021
Exiting Thread-1
Thread-2: Sun Mar 21 12:36:45 2021
Thread-2: Sun Mar 21 12:36:47 2021
Exiting Thread-2
```

6. Write a socket programming in python to connect www.srmist.edu.in. The sample output after connecting with the www.srmist.edu.in along with the newly created socket will be:

```
Socket successfully created
the socket has successfully connected to SRMIST
```

7. Write a python code for drawing a table for entry the various users information. The printed table should be looded like as follows:



1	Raj	Mumbai	19
2	Aaryan	Pune	18
3	Vaishnavi	Mumbai	20
4	Rachna	Mumbai	21
5	Shubham	Delhi	21

8. A Passenger tries to read the schedule board of a flight named "Schedule 1" while Flight Scheduler attempts to alter this flight's schedule by considering the delay of other flights. For easiness, the Passenger and Scheduler Threads in the code are made to read and update the schedule of only 1 flight which is Schedule 1 by acquiring lock and release. The conditions to be considered are

- Once a Scheduler is ready, it performs its write/update. Only one Scheduler may write / update at a time
- If a Scheduler is writing, no other passenger can read it
- If at least one passenger is reading, no other scheduler can write
- Passengers may not write/update and only can read