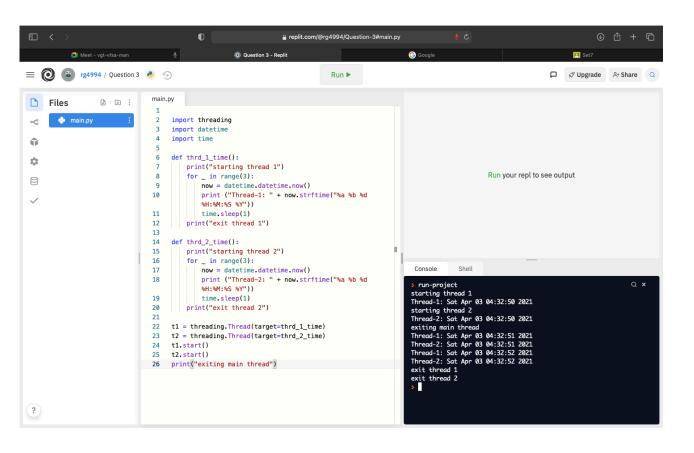
APP CT 2- Descriptive Answers

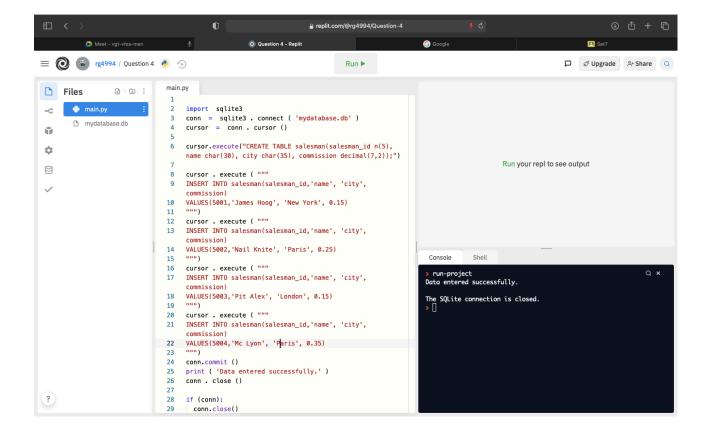
Name: Rahul Goel Reg No: RA1911030010094 Q5) import threading import datetime import time def thrd\_1\_time(): print("starting thread 1") for \_ in range(3): now = datetime.datetime.now() print ("Thread-1: " + now.strftime("%a %b %d %H:%M:%S %Y")) time.sleep(1) print("exit thread 1") def thrd\_2\_time(): print("starting thread 2") for \_ in range(3): now = datetime.datetime.now() print ("Thread-2: " + now.strftime("%a %b %d %H:%M:%S %Y")) time.sleep(1) print("exit thread 2") t1 = threading.Thread(target=thrd\_1\_time) t2 = threading.Thread(target=thrd\_2\_time) t1.start()

t2.start()



```
Q4)
```

```
import sqlite3
conn = sqlite3 . connect ('mydatabase.db')
cursor = conn.cursor()
#create the salesman table
cursor.execute("CREATE TABLE salesman(salesman_id n(5), name char(30), city char(35), commission decimal(7,2));")
# inserting data into the table
cursor . execute ( """
INSERT INTO salesman_id, 'name', 'city', commission)
VALUES(5001, 'James Hoog', 'New York', 0.15)
""")
cursor . execute ( """
INSERT INTO salesman(salesman_id,'name', 'city',commission)
VALUES(5002, 'Nail Knite', 'Paris', 0.25)
""")
cursor . execute ( """
INSERT INTO salesman(salesman_id,'name', 'city',commission)
VALUES(5003, 'Pit Alex', 'London', 0.15)
""")
cursor . execute ( """
INSERT INTO salesman(salesman_id,'name', 'city',commission)
VALUES(5004, 'Mc Lyon', 'Paris', 0.35)
""")
conn.commit ()
print ('Data entered successfully.')
conn.close()
if (conn):
conn.close()
 print("\nThe SQLite connection is closed.")
```



```
Q6)
import socket # for socket
import sys

s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)

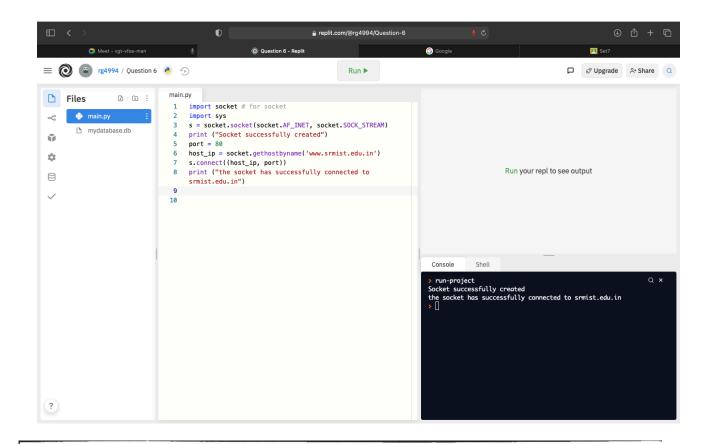
print ("Socket successfully created")

port = 80

host_ip = socket.gethostbyname('www.srmist.edu.in')

s.connect((host_ip, port))

print ("the socket has successfully connected to srmist.edu.in")
```



## ADVANCED PROGRAMMING PRACTICE - CT-2

Name: Rabul Oral

Reg No: RAI911030010094

Ratch: CSE-02.

- ②(in 22
  - (ii) c. execute ('INSERT INTO Customer (Datestam, Man wight, Reps) VALUES (?,?,?), (date, weight, getc), reps. get(1))
  - (iii) L1 = Lakel (window, tent = "Compound Libt", fourt = ("arial", 181). place (n=10, y=100) compound = (Bench', 'equat', 'Deadlift', 'OVH') compd = option them (window, comp, \*compound) compd. place (n=220, y=101)

12 = Label (wondow, Kent 2 "Day (dd)", fant= ("anid",18).

place (n=10, y=150) day T= Entrylwondow, tentraniable

= day) day Tplace (n=220, y=155)

(iv) Place geometry manager is used on the above form.

butter\_4 = Butter (wondow, tent = "Vracti") butter \_ 4.place (n=100, y=400).

1 Import Uhreading # get some on hed value Schedule-1= get value (1 lock = threading. Lock () def read C1: lock. algun C, print ("Passenges cen read & chedeule-1") hom. slep (10) lock release () def write (1: global schedule-1 Lock. acquire() print (" Schidale - 1 is now modifying") schidule -1= input (" Rester value for schidule-1") time. sleep (10) lock. release y print (1 schedule-1 updated") scheduler: thread = threading. Thread (touget: write) Passenger = thready. Thread (large = read) Schiduler . Mread . Start () passenger. Horad . Start () scheduler - thread. join() passenger. thread.

```
import socket
import sys
s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
port = 60
s.bind(('0.0.0.0', port))
print ('Socket binded to port 60')
s.listen(3)
print ('socket is listening')
while True:
  c, addr = s.accept()
  print ('Got connection from ', addr)
  print (c.recv(1024))
  c.close()
Q1 client:
import socket
s = socket.socket()
port = 60
s.connect(('localhost', port))
z = """Hi server, I'm ready to transfer my data
This is socket application"""
s.sendall(z.encode())
s.close()
Q7)
mport socket programming library
import socket
# import thread module
from _thread import *
import threading
print_lock = threading.Lock()
# thread function
```

```
def threaded(c):
  while True:
     # data received from client
     data = c.recv(1024)
     if not data:
       print('Bye')
       # lock released on exit
       print_lock.release()
       break
     # reverse the given string from client
     data = data[::-1]
     # send back reversed string to client
     c.send(data)
  # connection closed
  c.close()
def Main():
  host = ""
  # reverse a port on your computer
  # in our case it is 12345 but it
  # can be anything
  port = 12345
  s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
```

```
s.bind((host, port))
  print("socket binded to port", port)
  # put the socket into listening mode
  s.listen(5)
  print("socket is listening")
  # a forever loop until client wants to exit
  while True:
     # establish connection with client
     c, addr = s.accept()
     # lock acquired by client
     print_lock.acquire()
     print('Connected to :', addr[0], ':', addr[1])
     # Start a new thread and return its identifier
     start_new_thread(threaded, (c,))
  s.close()
if name == 'main':
  Main()
```

```
# importing whole module
from tkinter import *
from tkinter.ttk import *
# importing strftime function to
# retrieve system's time
from time import strftime
# creating tkinter window
root = Tk()
root.title('Clock')
# This function is used to
# display time on the label
def time():
  string = strftime('%H:%M:%S %p')
  lbl.config(text = string)
  lbl.after(1000, time)
# Styling the label widget so that clock
# will look more attractive
lbl = Label(root, font = ('calibri', 40, 'bold')
,foreground = 'purple')
# Placing clock at the centre
# of the tkinter window
lbl.pack(anchor = 'center')
time()
mainloop()
```