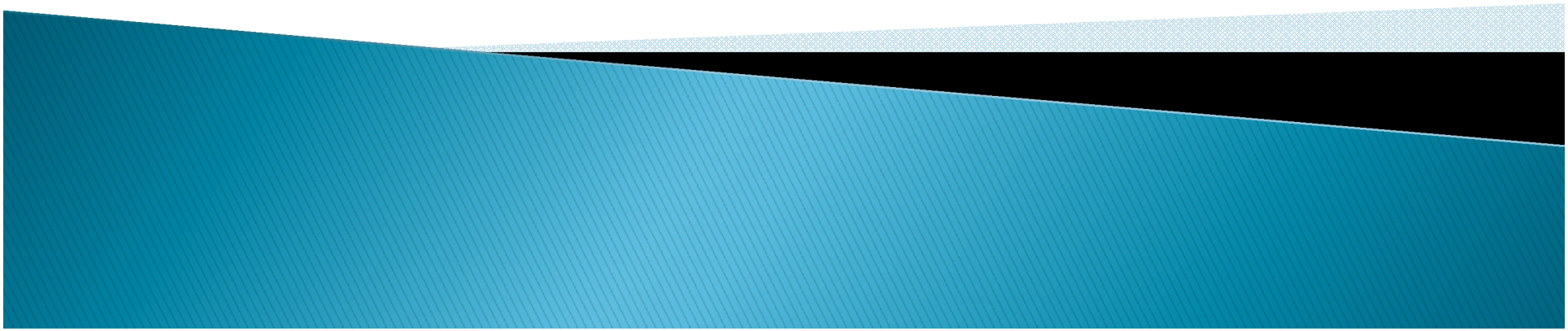
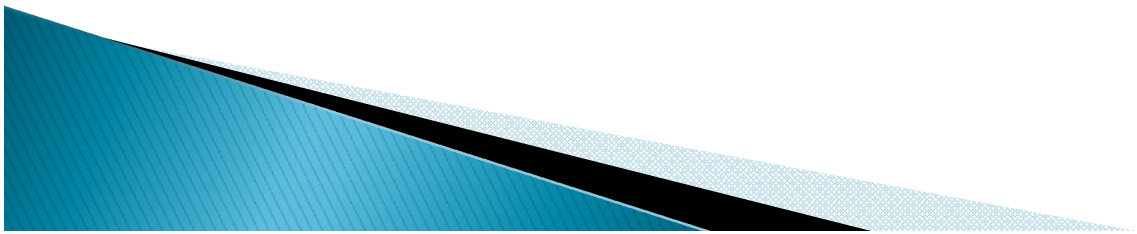
Important Question for computer Science Practical Examination



Marks Distribution :

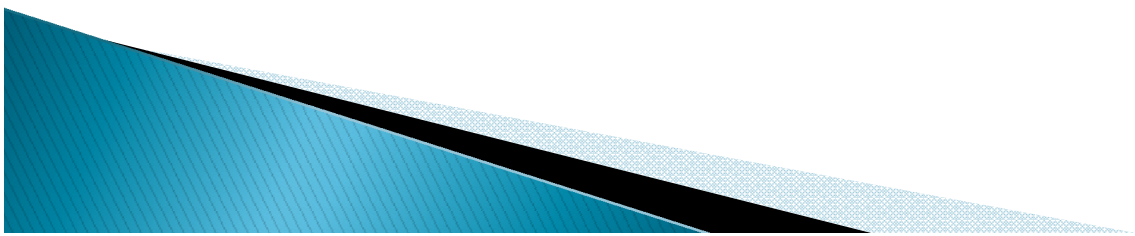
- Python Program — 8 Marks
- Stub Program (Python MySQL Connectivity) — 4 Marks
- Report File — 7 Marks
- Project Work — 8 Marks
- Viva Voice — 3 Marks

Total : 30 Marks

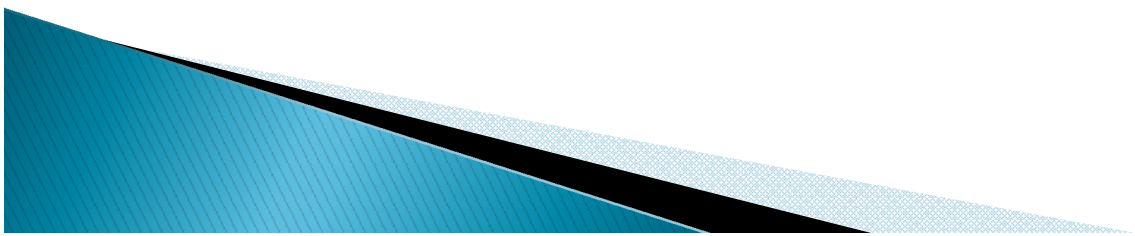


Python Program

- **Q1.** Write a menu drive python program to create **Stack Data Structure using a List** of names of various employees. Implement PUSH(), POP(), DISPLAY(), PEEK() and EXIT operations.
- Compile & interpret the python file in the computer with suitable indentation and present the output in the python terminal.
-
- PUSH
- POP
- DISPLAY
- PEEK
- 3. EXIT

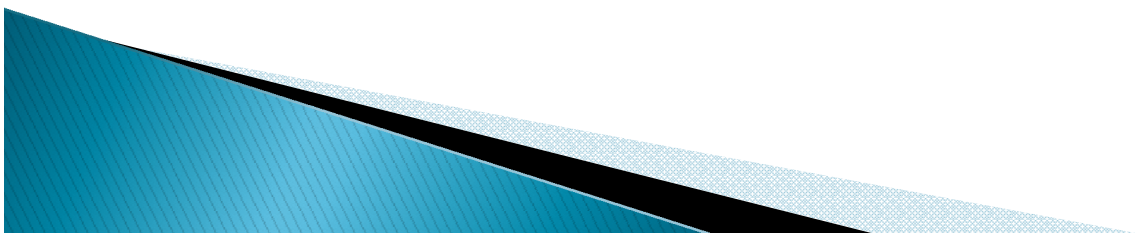


Q2) Program to create binary file to store Rollno and Name, Searchany Rollno and display name if Rollno found otherwise "Rollno not found"



- Q3) Write a menu driven program for the basic operation on student binary file such as insert, search and read records.
- Add record
- Display records
- Search records
- Exit

The structure of file content is: [no, name]



Stub Program (Python MySQL Connectivity)

- Q1) Observe the following code and fill in the given blanks as directed:

- ```
  import mysql.connector
   mydb=_____ #Statement 1
  mycursor=mydb.cursor()
  while True:
        n1=int(input("enter Product ID"))
        n2=input("Enter Product name : ")
        n3=int(input("Enter Price: "))
        que=_____#Statement 2
        mycursor.execute(que)
  ```
  ```

- mydb_____ #Statement 3
- print("Record inserted successfully")
- ch=input("if you want to continue then press Y for yes and N for no")
- if ch=='N':
- break

- **The partial code is given for inserting a record in product table. The product table is given as following:**

productid	name	price
101	SmartTV	35000
102	AC	50000

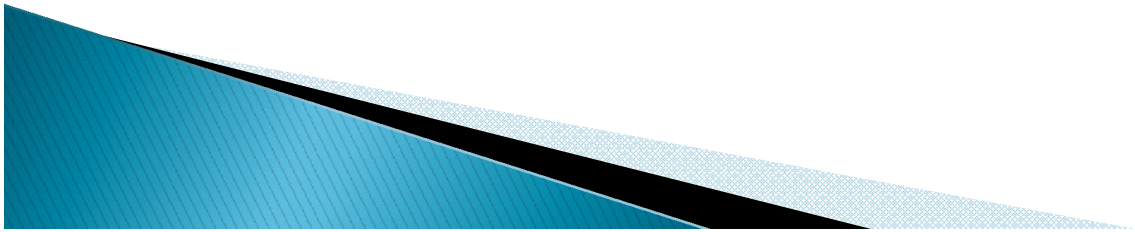
- **Questions:-**
- 1) Write the parameters and values required to fill statement 1. The Parameters Values are as follows:

Database Server	User	Password	Database
localhost	root	root	Exam

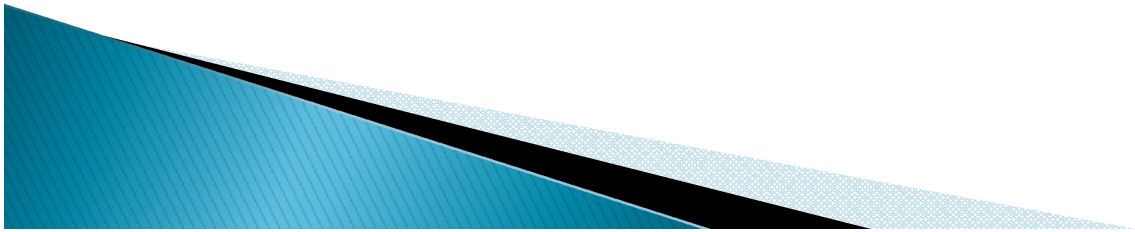
2)Write a query to fill statement 2 with desired values.

3)Write a function to fill statement 3 to save the records into table.

4)Write a query to delete any record based on product name.



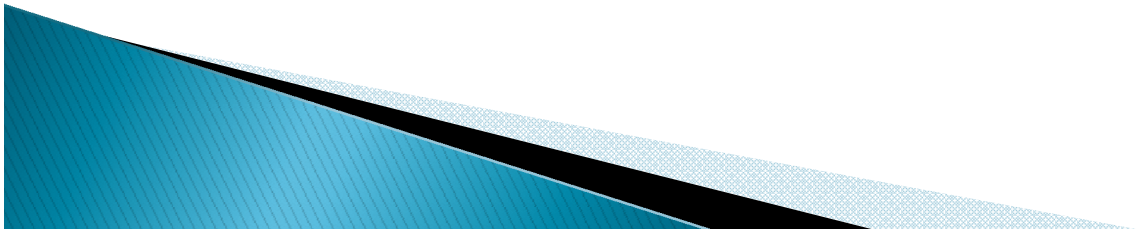
- **Q2.** Observe the following code and fill in the given blanks as directed:
-
- import mysql.connector
  mydb=_____**#Statement 1**
- mycursor=mydb.cursor()
- while True:
  n1=int(input("enter Roll number : "))
  n2=input("Enter Student name : ")
  n3=int(input("Enter Class: "))
  n4=int(input("Enter Marks : "))



- que=_____ #Statement 2
- mycursor.execute(que)
- mydb. _____#Statement 3
  print("Record inserted successfully")
- ch=input("if you want to continue then press Y for yes and N for no")
- if ch=='N':
- break

The partial code is given for inserting a record in student table. The student table is given as following:

rollno	name	class	marks
101	Ramesh	12	90
102	Vijay	12	95
103	Mahesh	12	98

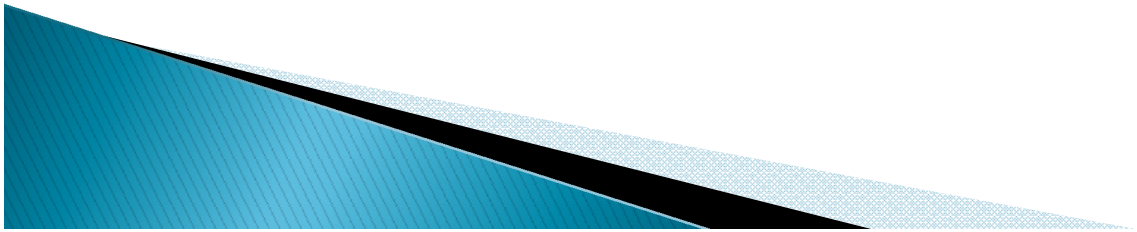


- **Questions:-**

1) Write the parameters and values required to fill statement 1. The Parameters Values are as follows:

Database Server	User	Password	Database
localhost	root	root	Exam

2) Write a query to fill statement 2 with desired values.
3) Write a function to fill statement 3 to save the records into table.
4) Write a query to update marks of 'Mahesh' from 98 to 93.



- Thank you