

# Web Technologies Lab

**Lab 05****Marks 100****Instructions**

Work on this quiz/lab individually.

You are **NOT** allowed to use internet, mobile phone.

You are **NOT** allowed to borrow anything from your peer student.

**What you have to do**

Program the following tasks. The name of your files will be according to the task given in this lab.

**Task****[100]**

You need to build an address book that shall be capable of storing user name, address, city and phone number of a person. The feature list includes

- Add – to add a new person record
- Delete – to delete an existing person record by name
- Search – to search a person record by name
- Exit – to exit from application

**Step1 – Create DB Table**

Create a database *addressbook* with following table

```
CREATE TABLE `info` (  
    `username` text,  
    `address` text,  
    `city` text,  
    `phone` numeric  
)
```

**Step2 – Make AddressBook class**

This class will provide *addPerson*, *deletePerson* & *searchPerson* methods.

*AddressBook()* constructor will create a connection with the database which will be used in all the functions.

*addperson()* takes input for name, address and phone number and save them into the database.

The *searchPerson()* & *deletePerson()* methods search the required record by name and then either prints his/her detail or delete the record permanently from your database. Both the methods are taking string argument and performing their search or delete operation.

**Step3 – Make Driver class**

This class will contain a *main* method and an object of *AddressBook* class.

Build an option menu by using switch selection structure.

Take input from user and make a call to appropriate function of *AddressBook* class.

**Hint:**

- Declare *Connection/Statement* class object as instance variable in *AddressBook* class; instantiate it in the constructor of the class, and use the same object in all the functions to execute SQL statements.

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