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| Assignment No. | 2 |
| Name | MALAVIKA AC |
| Registration No. | 921319104108 |
| Batch No. | B7-1A3E |

**1.Create user table with user with email,username,rollnumber,password.**

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| --- | --- |
| DROP TABLE IF EXISTS users; |  |
|  |  |
|  | CREATE TABLE users ( |
|  | id INTEGER PRIMARY KEY AUTOINCREMENT, |
|  | username TEXT NOT NULL, |
|  | password TEXT NOT NULL, |
|  | name TEXT NOT NULL, |
|  | email TEXT NOT NULL |
|  | ); |
|  |  |
|  | INSERT INTO users (username, password, name, email) VALUES ( |
|  | "atp", |
|  | "mito@123", |
|  | "mito", |
|  | "anime@gmx.de" |
|  | ); |

**2.Perform UPDATE,DELETE Queries with user table.**

UPDATEdbo.Department

SETDepartmentName = 'Trauma and Emergency Surgery'

WHEREDepartmentID = 3

SELECT \* FROMdbo.DepartmentWHEREDepartmentName = 'Emergency'

DELETEFROMdbo.PatientAdmittance

WHERELastDischarged<'1969-01-01'

**3.Connect python code to db2.**

from ibm\_db import connect

connection = connect('DATABASE=<database name>;'

'HOSTNAME=<database ip>;'

'PORT=<database port>;'

'PROTOCOL=TCPIP;' 'UID=<database username>;'

'PWD=<username password>;', '', '')

def results(command):

from ibm\_db import fetch\_assoc

ret = []

result = fetch\_assoc(command)

while result:

ret.append(result)

result = fetch\_assoc(command)

return ret

from ibm\_db import tables

t = results(tables(connection))

from ibm\_db import exec\_immediate

sql = 'LIST \* FROM ' + t[170]['TABLE\_NAME']

rows = results(exec\_immediate(connection, sql))

**4.Create a flask app with registration page,login page and welcome page.By default load the registration page once the user enters all the fields store the data in database and navigate to login page authenticate user username and password.If the user is valid show the welcome page.**

|  |  |
| --- | --- |
| CREATE DATABASE IF NOT EXISTS `login1` DEFAULT CHARACTER SET utf8 COLLATE utf8\_general\_ci; |  |
|  | USE `login1`; |
|  | CREATE TABLE IF NOT EXISTS `accounts` ( |
|  | `id` int(11) NOT NULL AUTO\_INCREMENT, |
|  | `username` varchar(50) NOT NULL, |
|  | `password` varchar(255) NOT NULL, |
|  | `email` varchar(100) NOT NULL, |
|  | PRIMARY KEY (`id`) |
|  | ) ENGINE=InnoDB AUTO\_INCREMENT=2 DEFAULT CHARSET=utf8; |
|  | select \* from accounts; |
|  | select \* from accounts; |
|  |  |
|  | INSERT INTO `accounts` (`id`, `username`, `password`, `email`) VALUES (5, 'ramya', 'ramya1', 'ramya@ramya1.com'); |
|  | INSERT INTO `accounts` (`id`, `username`, `password`, `email`) VALUES (6, 'subha', 'subha1', 'subha@subha1.com'); |
|  | select \* from accounts; |
|  | update accounts set password='ramya@15' where id=5; |
|  | delete from accounts where id=6; |
|  | select \* from accounts; |