ASSIGNMENT 2

1.Create user table with user with email,username,roll number,password.

```
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.

```
UPDATE dbo.Department
SET DepartmentName = 'Trauma and Emergency Surgery'
WHERE DepartmentID = 3
SELECT * FROM dbo.Department WHERE DepartmentName = 'Emergency'
DELETE FROM dbo.PatientAdmittance
```

```
WHERE LastDischarged < '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,
'ruban', 'ruban1', 'ruban@ruban1.com');
INSERT INTO `accounts` (`id`, `username`, `password`, `email`) VALUES (6, 'ram',
'ram3', 'ram@ram3.com');
select * from accounts;
update accounts set password='ruban@003' where id=5;
delete from accounts where id=6;
select * from accounts;
```