Assignment -2

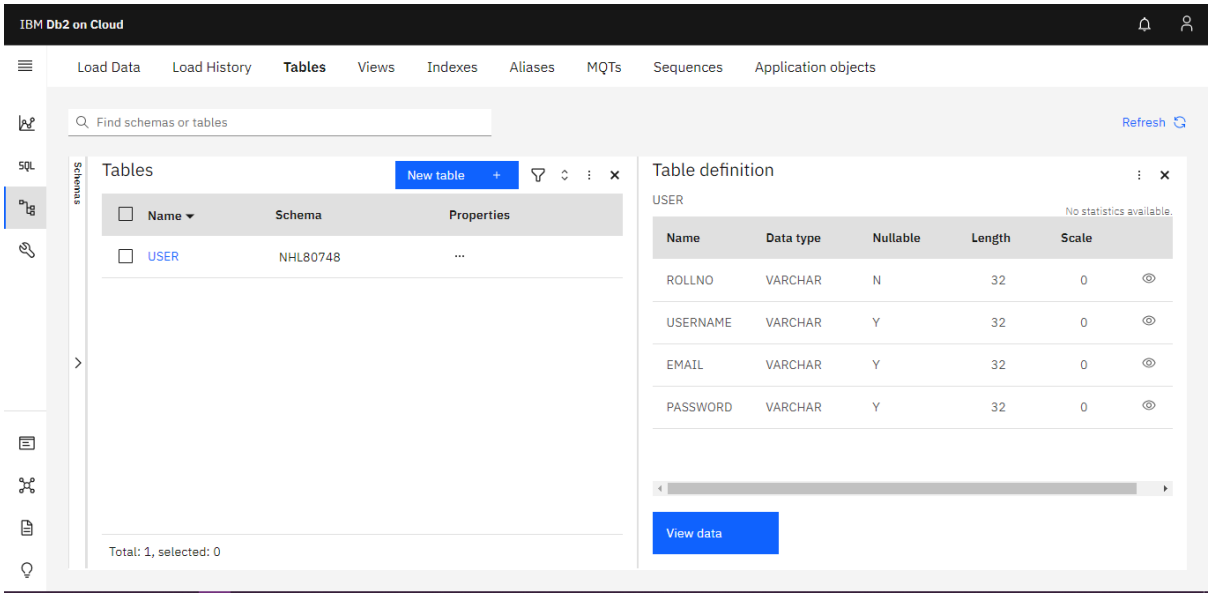
Python Programming

Assignment Date	19 September 2022
Student Name	NAVIN RAJ M
Student Roll Number	621319205026
Maximum Marks	2 Marks

Question-1:

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

Soultion:



Question-2:

2.Perform UPDATE,DELETE Queries with user table

Soultion:

```
def Delete(conn,rollno,name,email,password):
  sql="UPDATE Users SET  ROLLNO ='{}',  WHERE USERNAME='{};".format(rollno,name)
  stmt=ibm_db.exec_immediate(conn,sql)
  print("The Number if affected rows: ", ibm_db.num_rows(stmt),"\n")


def Update(conn,rollno,name,email,password):
  sql="UPDATE Users SET  ROLLNO ='{}',  WHERE USERNAME='{};".format(rollno,name)
  stmt=ibm_db.exec_immediate(conn,sql)
  print("The Number if affected rows: ", ibm_db.num_rows(stmt),"\n")
```

Question-3:

Connect python code to db2

Soultion:

```
import ibm_db
try:
   conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=2f3279a5-73d1-4859-88f0-
a6c3e6b4b907.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=30756;SECURITY=SSL;
SSLServerCertificateDigiCertGlobalRootCA.crt;PROTOCOL=TCPIP;UID=nhl80748;PWD=3yD0G9e6VuQ
HsOBX;", "", "")
   print("connection Success")
   display(conn)
   Insert(conn,"6213192026","navin raj","winN@gmail.com","euyfuis")
   display(conn)

except:
   print("couldn't connect")
```

Question-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 with username and password. If the user is valid show the welcome page.

Soultion:

//login.html

```
<html>
   <head>
      <meta charset="utf-8">
      <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
      <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/font-
awesome.min.css">
      <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css">
      <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/particlesjs/2.2.3/particles.min.js">

</head>
<style>
   body{
```

```
      background:linear-gradient(to right,#c9522d,#f64c72);
      background-attachment: fixed;
      background-repeat: no-repeat;
      background-size: cover;
      margin: 0;
      padding: 0;
   }
.form-control, .form-control:focus ,.input-group-addon{
border-color:  aliceblue;
border-radius: 0;
}
.signup{
   width: 360px;
   margin: 0 auto;
   padding: 50px 0;
}

.signup h2{
   color: #fd614d;
   text-align: center;
   margin: 0 0 20px;
}
.signup form{
  border-radius: 1px;
  margin-bottom: 15px;

  background-color: rgba(0,0,0,0.7) !important;
  border: 1px solid none;
  box-shadow: 0px 2px 2px rgba(0,0,0,0.3);
  padding: 30px;

}
.signup .form-group{
   margin-bottom: 30px;
}
.signup .form-control{
   min-height: 38px;
          box-shadow: none !important;
          border-width: 0 0 1px 0;
}
.form-control{
   background-color: transparent;
   color: #fd614d;
}
.form-control:hover {
   background-color: transparent;
```

```
   color: aliceblue;
   overflow: hidden;
   text-decoration: none;
}
.signup .input-group-addon{
   max-width: 42px;
   text-align: center;
   background: none;
   border-bottom: 1px solid aliceblue;
   padding-left: 5px;
}
.input-group-addon{
   font-size: 30px;
}


.btn{
   background: linear-gradient(259deg,#f64,#f64c72);
         border: none;
   text-align: center;
         padding: 3%s;
   font-size: 16px;
   font-weight: bold;
         color: aliceblue;
}
.btn:hover{
         background: aliceblue;
border: none;
color: aliceblue;
color: #fd614d;
}



 .fa{
   color:  aliceblue;
}

.signup .fa-envelope{
   font-size: 23px;
   color: aliceblue;
}

a{
         color: aliceblue;
         text-decoration: none;
```

```
}

a:hover{
        color:#664a71;
        text-decoration: none;
}

</style>
  <body>

    <div class="signup">
      <form action="{{url_for(result)}}" method="post">
      <h2>LOGIN</h2>

      <div class="form-group">
        <div class="input-group">
          <span class="input-group-addon"><i class="fa fa-envelope"></i></span>
          <input type="email" name="email"  class=" form-control"placeholder="Email" required>
        </div>
      </div>

      <div class="form-group">
        <div class="input-group">
          <span class="input-group-addon"><i class="fa fa-lock"></i></span>
          <input type="password" name="password"  class=" form-control"placeholder="password"
required>
        </div>
      </div>

      <div class="form-group">
        <button type="submit" class="btn btn-primary btn-lg btn-block">Login</button>
      </div>

    </form>
    </div>

  </body>
</html>


//app.py
import urllib.request
from colorama import Cursor
from flask import Flask, flash,render_template, request, session,url_for,redirect
import ibm_db
from pythondb import dbconn as db
```

```
try:
   conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=2f3279a5-73d1-4859-88f0-
a6c3e6b4b907.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=30756;SECURITY=SSL;
SSLServerCertificateDigiCertGlobalRootCA.crt;PROTOCOL=TCPIP;UID=nhl80748;PWD=3yD0G9e6VuQ
HsOBX;", "", "")
   print("connection Success")
except:
   print("couldn't connect")
app = Flask(__name__)
@app.route("/")
def homepage():
   return render_template("index.html")

@auth.route('/result', methods=['POST'])
def login_post():

   email = request.form.get('email')
   password = request.form.get('password')
   remember = True if request.form.get('remember') else False

   user = User.query.filter_by(email=email).first()
   if not user or not check_password_hash(user.password, password):
      flash('Please check your login details and try again.')
      return redirect(url_for('auth.login'))
   return redirect(url_for("welcome.html"))
if __name__=="__main__":
   app.run(debug=True)
```