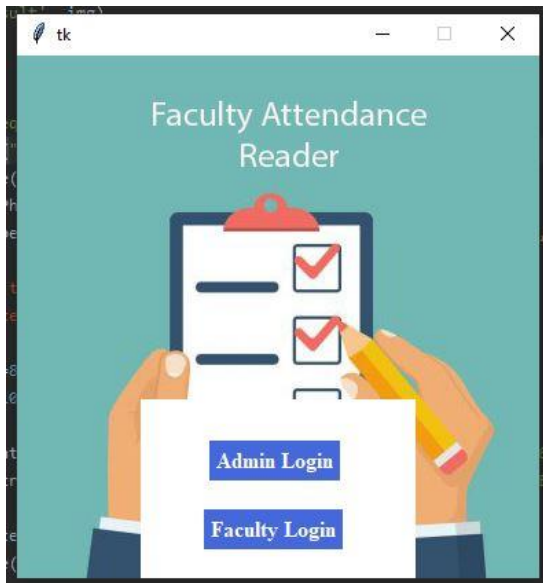
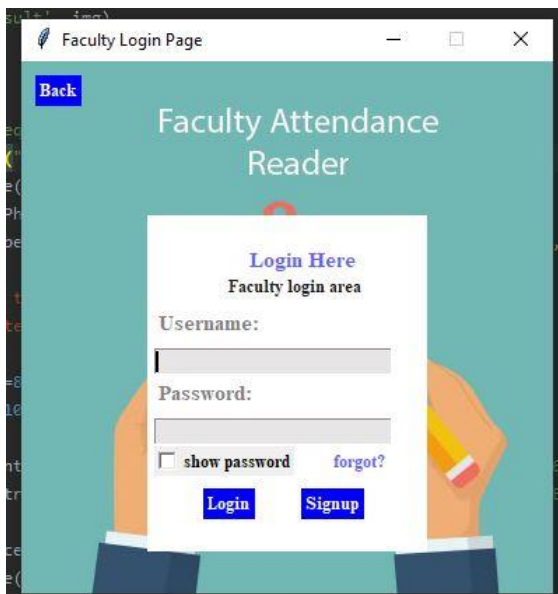


Homepage



Faculty login page



- Un-register faculty(where not in Faculty list also not have an account)
- Signup page

Faculty Login Page

Back

Faculty Attendance Reader

SIGN UP

username:

email Id:

Password:

Confirm Pass:

Faculty ID:

Phone no:

Faculty code:

☐ Show Password

SUBMIT

- Show password enabled

Faculty Login Page

Back

Faculty Attendance Reader

SIGN UP

username:

email Id:

Password:

Confirm Pass:

Faculty ID:

Phone no:

Faculty code:

☒ Show Password

SUBMIT

- Show password disabled

Faculty Login Page

Back

Faculty Attendance Reader

SIGN UP

username:

email Id:

Password:

Confirm Pass:

Faculty ID:

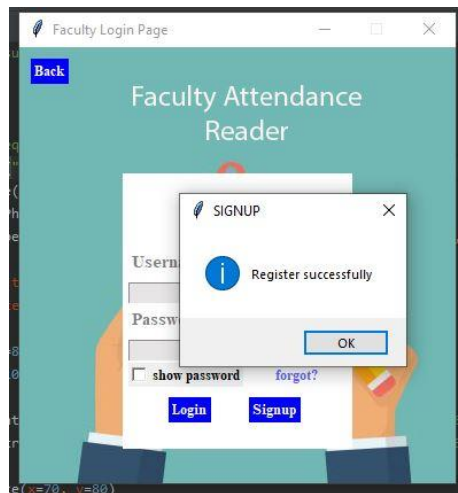
Phone no:

Faculty code:

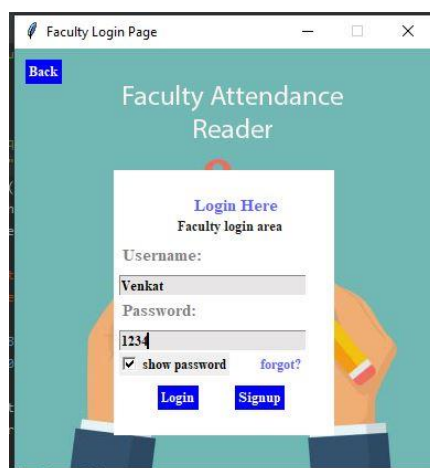
☐ Show Password

SUBMIT

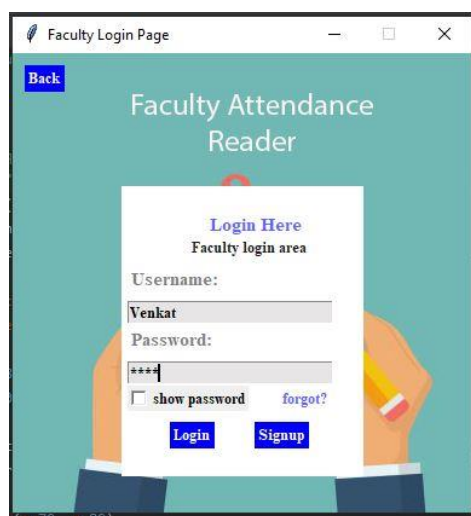
- Registered



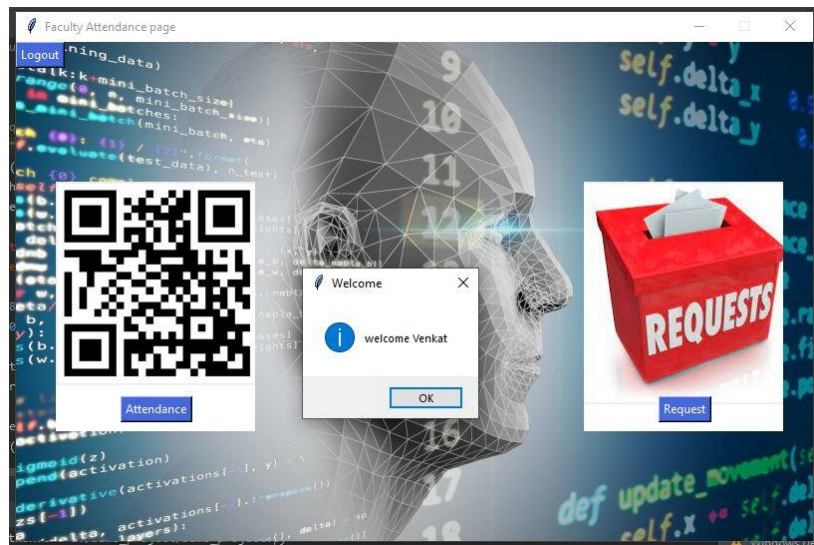
- Login page - show password enabled



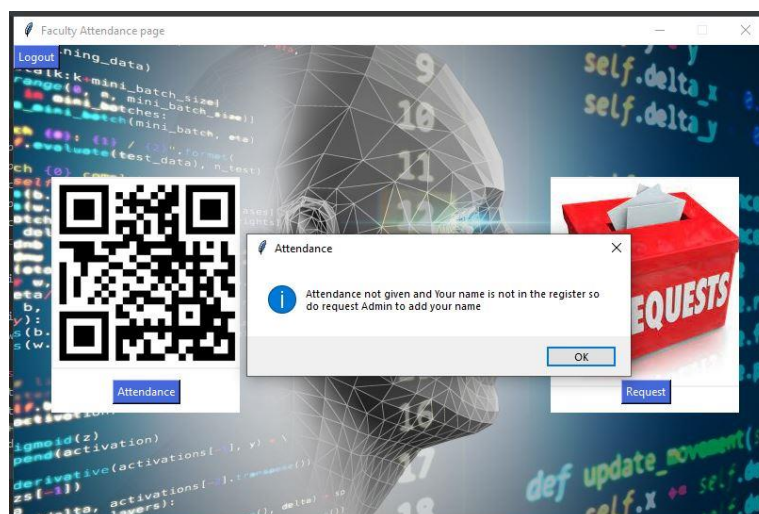
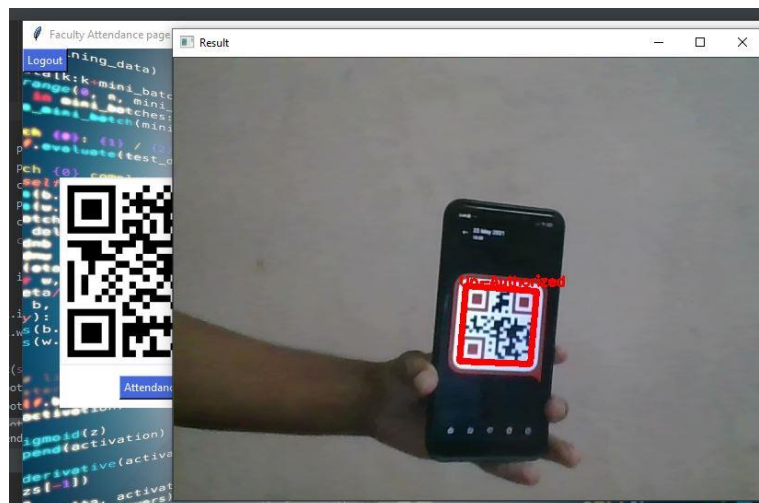
- Login page - show password disabled



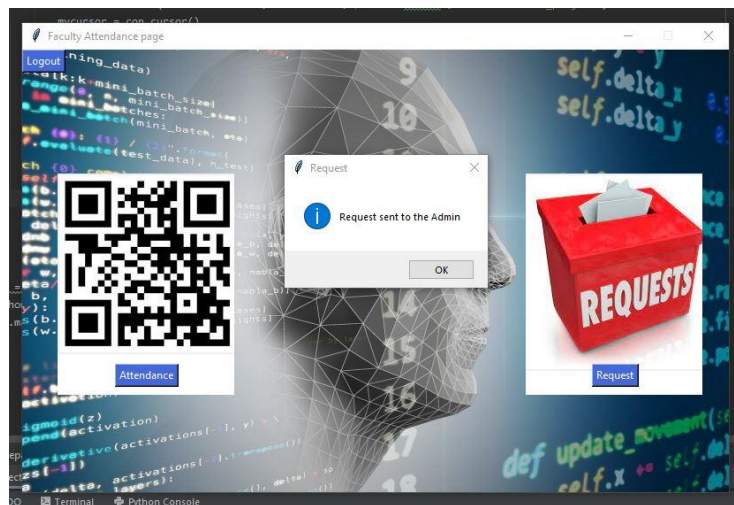
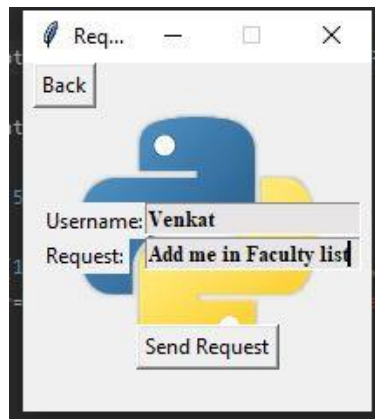
- Logged in (Faculty main page)



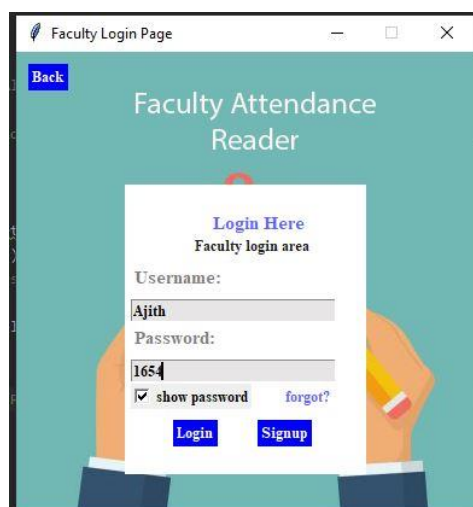
➤ Attendance button clicked



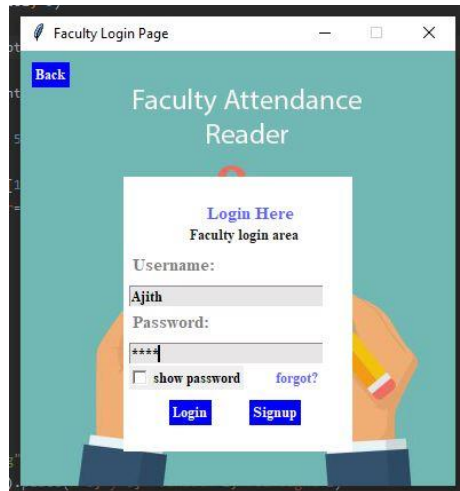
➤ Request button clicked



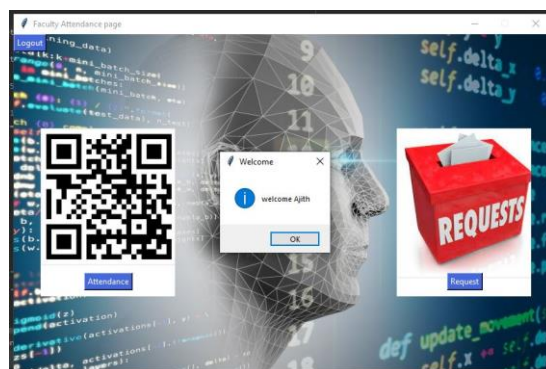
- Register faculty(Where in Faculty list also already have an account)
- Login show password enabled



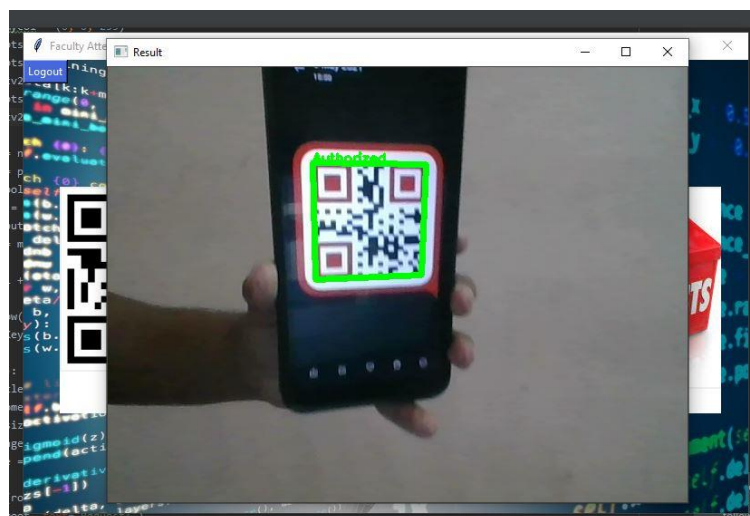
- Login show password disabled

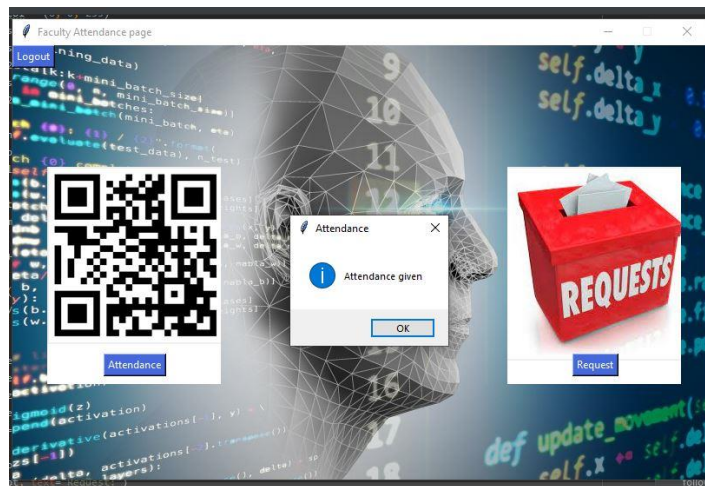


- Logged in (Faculty mainpage)

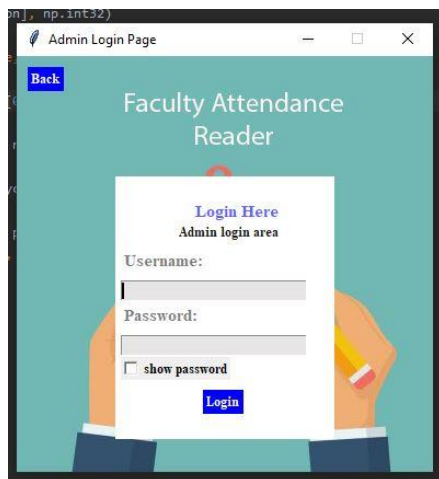


- Attendance button clicked

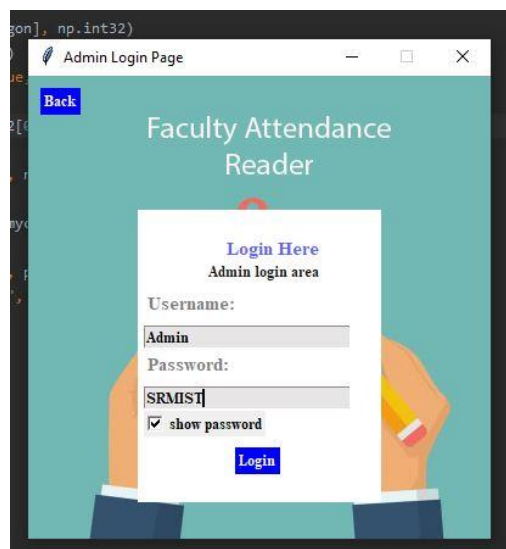




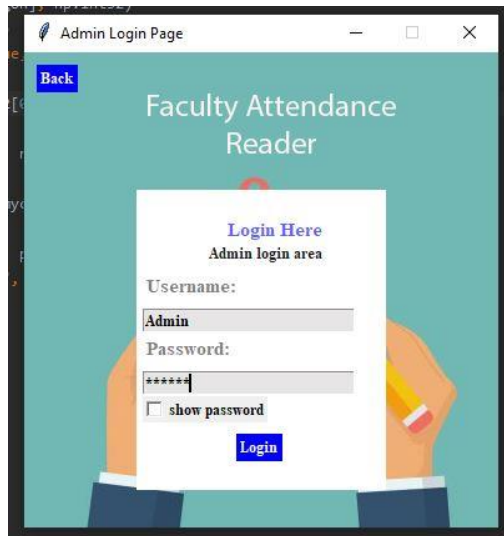
Admin Login Page



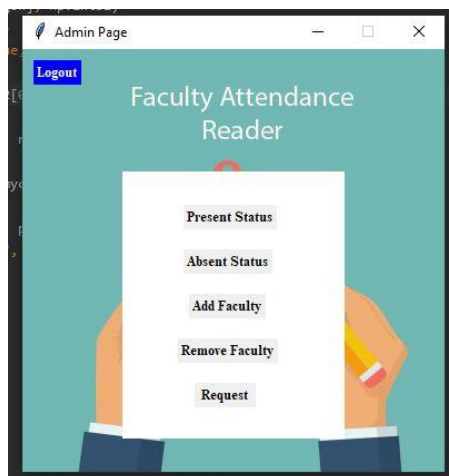
- Login page - show password enabled



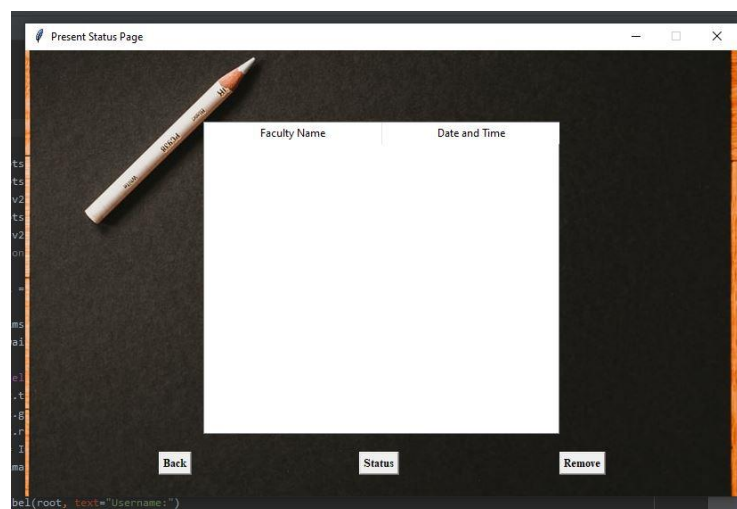
- Login page - show password disabled

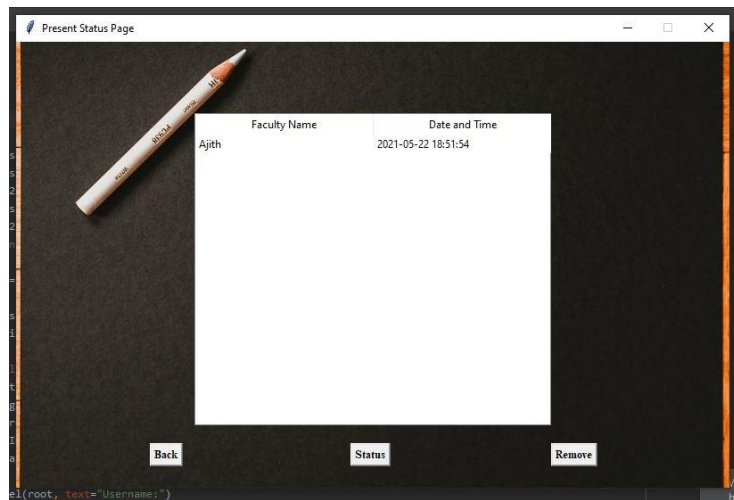


- Logged in (Admin main page)

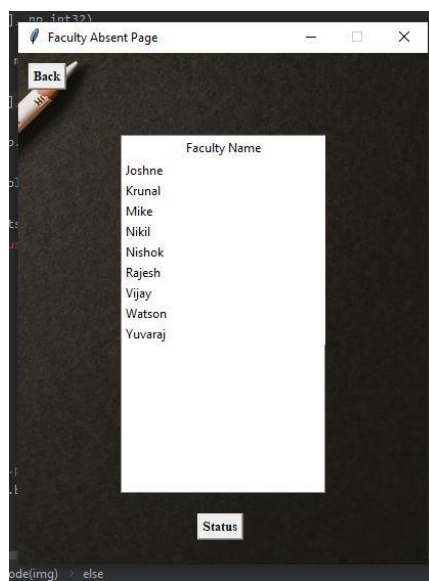
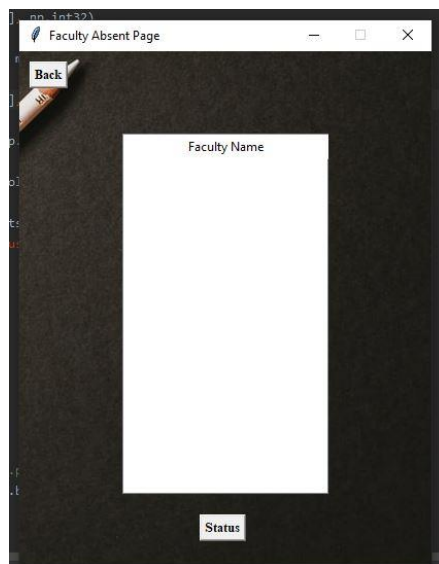


- Present status button clicked

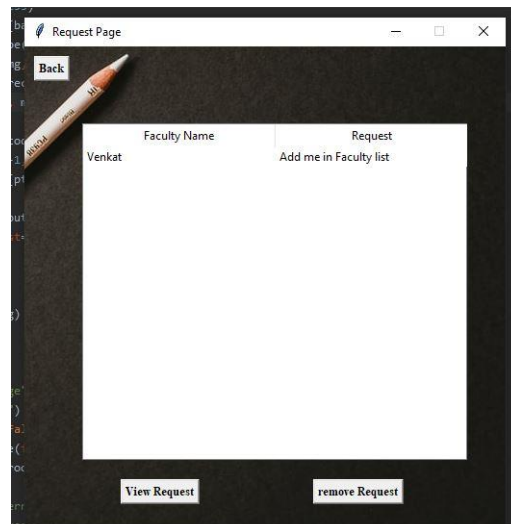
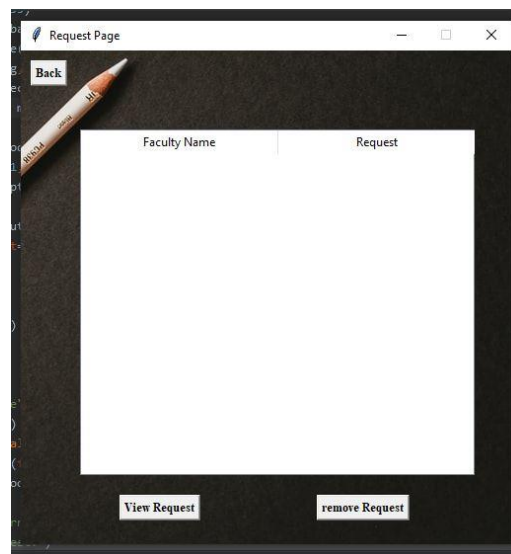




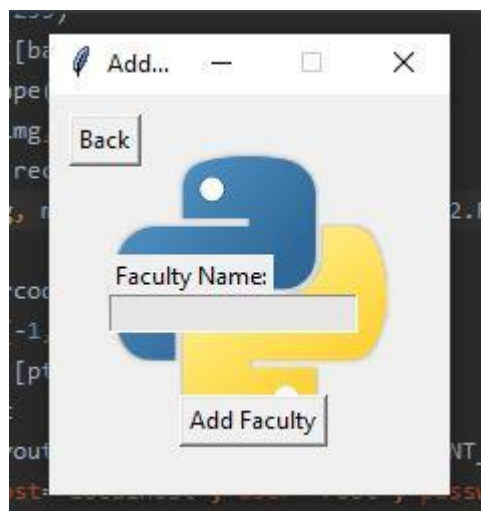
➤ Absent status button clicked

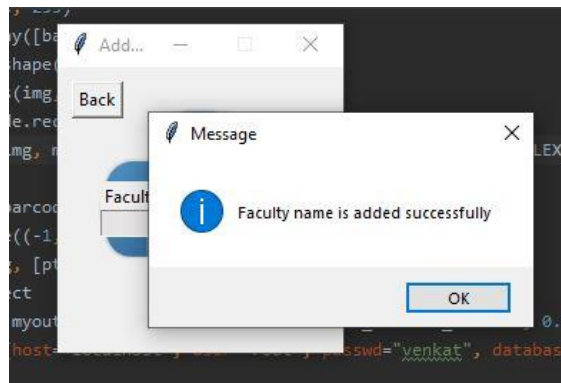
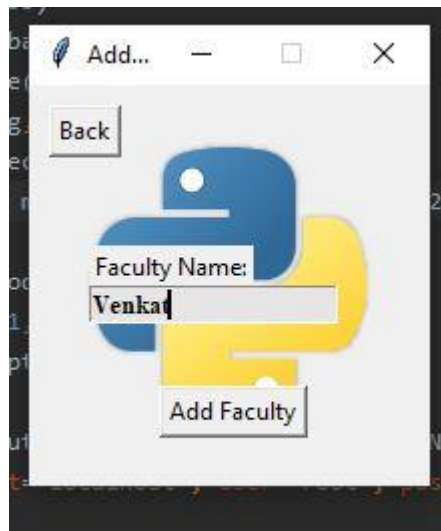


- Request status button clicked

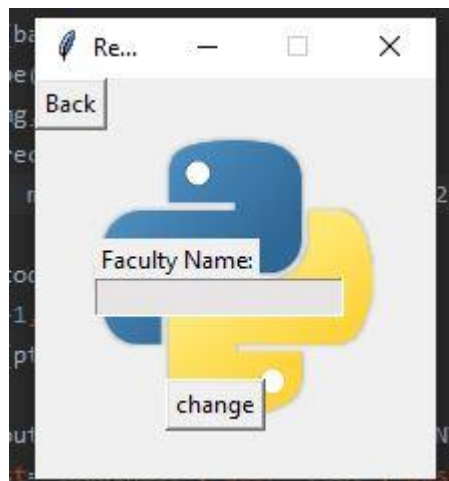


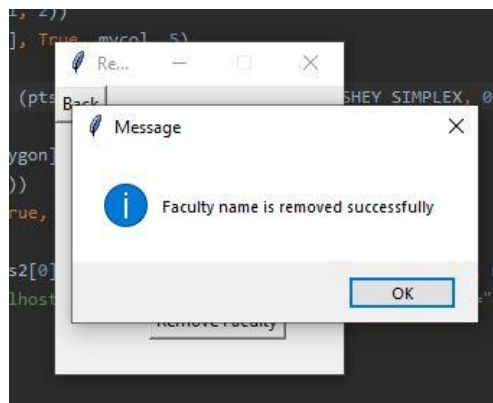
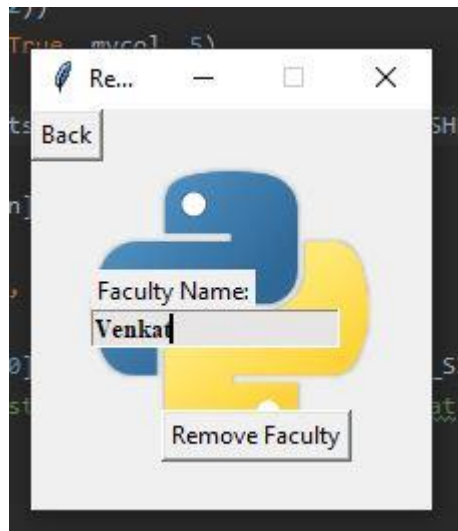
- Add faculty button clicked





➤ Remove faculty button clicked





Database Connectivity:

- Insertion of record from User Interface to backend database(Signup , Attendance, Request and Add faculty)

- Single Column record Insertion

```
con = mc.connect(host="localhost", user="root", passwd="venkat",
database="dbms_project")
mycursor = con.cursor()
name = self.nameentry.get()#value1
query = "INSERT INTO table_name values('{}')".format(name)
mycursor.execute(query)
con.commit()
print("Row Inserted")
```

- Multiple column record insertion

```
con = mc.connect(host="localhost",
user="root",passwd="venkat",database="dbms_project")
mycursor = con.cursor()
e = #value1
b = #value2
c = #value3
sql = "INSERT INTO table_name (column1, column2, column3) VALUES
(%s,%s,%s)"
val = (e, c, b)
mycursor.execute(sql, val)
con.commit()
print(mycursor.rowcount, "record inserted.")
```

- Fetching of record from backend database to User Interface(Login, Present status, Absent status and View request)

```
name = self.username.get()#value1
passwd = self.password.get()#value2
con = mc.connect(host="localhost", user="root", passwd="venkat",
database="dbms_project")
mycursor = con.cursor()
sql_query = ""select column1 , column2 from table_name where
column1_name = %s and column2_name = %s""
val = (name,passwd)
mycursor.execute(sql_query,val)
row = mycursor.fetchone()
print(row)
```

- Deletion of record to User Interface to backend database(Remove faculty,Remove the faculty who is present , Remove request)

```
con = mc.connect(host="localhost", user="root", passwd="venkat",
database="dbms_project")
mycursor = con.cursor()
name = self.nameentry.get()#Value1
query = "DELETE FROM attendance where name = '{} ' ".format(name)
mycursor.execute(query)
con.commit()
print("Row Deleted")
```

- Updation of record from User Interface to backend database(forgot password)

```
name = self.name.get()#value1
npass = self.npass.get()#value2
cpass = self.cpass.get()#value3
con = mc.connect(host="localhost", user="root", passwd="venkat",
```

```

database="dbms_project")
mycursor = con.cursor()

sql = "UPDATE faculty_signup SET passwd = '{}',cpasswd = '{} ' WHERE
name = '{}';".format(npass,cpass,name)

mycursor.execute(sql)

con.commit()
print(mycursor.rowcount, "Updated Successfully.")

```

➤ Used Subqueries for Retrieve the Absentees list

```

con = mc.connect(host="localhost", user="root", passwd="venkat",
database="dbms_project")
mycursor = con.cursor()
query = "select name from checklist where name not in(select name
from attendance);"
mycursor.execute(query)
self.rows1 = mycursor.fetchall()

```

Output:

Before Process:

```

mysql> show tables;
+-----+
| Tables_in_dbms_project |
+-----+
| attendance              |
| checklist               |
| faculty_signup          |
| request                 |
+-----+
4 rows in set (0.00 sec)

mysql> select * from checklist;
+-----+
| name |
+-----+
| Ajith |
| Joshne |
| Krunal |
| Mike |
| Nikil |
| Nishok |
| Rajesh |
| Vijay |
| Watson |
| Yuvraj |
+-----+
10 rows in set (0.35 sec)

mysql> select * from faculty_signup;
+-----+
| name | email | passwd | cpasswd | fac_id | phone | Fac_code |
+-----+
| Ajith | Ajith@srmist.edu.in | 1654 | 1654 | FA1811003040167 | 8765532432 | SRMFACT1822 |
| Vijay | Vijay@srmist.edu.in | 8878 | 8878 | FA1811003040168 | 9878767565 | SRMFACT1822 |
| Rajesh | Rajesh@srmist.edu.in | 8888 | 8888 | FA1811003040169 | 8899778877 | SRMFACT1822 |
| Krunal | Krunal@srmist.edu.in | 7777 | 7777 | FA1811003040170 | 9998887776 | SRMFACT1822 |
| Joshne | Joshne@srmist.edu.in | 6666 | 6666 | FA1811003040171 | 9991116754 | SRMFACT1822 |
| Nikil | Nikil@srmist.edu.in | 5555 | 5555 | FA1811003040172 | 9998881114 | SRMFACT1822 |
| Nishok | Nishok@srmist.edu.in | 4444 | 4444 | FA1811003040173 | 9933445566 | SRMFACT1822 |
| Watson | Watson@srmist.edu.in | 3333 | 3333 | FA1811003040174 | 8767675645 | SRMFACT1822 |
| Yuvraj | Yuvraj@srmist.edu.in | 2222 | 2222 | FA1811003040175 | 8877887769 | SRMFACT1822 |
| Mike | Mike@srmist.edu.in | 9999 | 9999 | FA1811003040176 | 8978654563 | SRMFACT1822 |
+-----+
10 rows in set (0.01 sec)

mysql> select * from attendance;
Empty set (0.00 sec)

mysql> select * from request;
Empty set (0.00 sec)

mysql>

```

After Process:

- Signup

```
mysql> select * from faculty_signup;
```

name	email	passwd	cpasswd	fac_id	phone	Fac_code
Ajith	Ajith@srmist.edu.in	1654	1654	FA1811003040167	8765532432	SRMFACT1822
Vijay	Vijay@srmist.edu.in	8878	8878	FA1811003040168	9878767565	SRMFACT1822
Rajesh	Rajesh@srmist.edu.in	8888	8888	FA1811003040169	8899778877	SRMFACT1822
Krunal	Krunal@srmist.edu.in	7777	7777	FA1811003040170	9998887776	SRMFACT1822
Joshne	Joshne@srmist.edu.in	6666	6666	FA1811003040171	9991116754	SRMFACT1822
Nikil	Nikil@srmist.edu.in	5555	5555	FA1811003040172	9998881114	SRMFACT1822
Nishok	Nishok@srmist.edu.in	4444	4444	FA1811003040173	9933445566	SRMFACT1822
Watson	Watson@srmist.edu.in	3333	3333	FA1811003040174	8767675645	SRMFACT1822
Yuvaraj	Yuvaraj@srmist.edu.in	2222	2222	FA1811003040175	8877887769	SRMFACT1822
Mike	Mike@srmist.edu.in	9999	9999	FA1811003040176	8978654563	SRMFACT1822
Venkat	venkat@gmail.com	1234	1234	FA1811003040201	8798767654	SRMFACT1822

```
11 rows in set (0.00 sec)
```

- Attendance

```
mysql> select * from attendance;
```

name	Date_Time	status
Ajith	2021-05-22 18:51:54	Present

```
1 row in set (0.00 sec)
```

- Request

```
mysql> select * from request;
```

name	request
Venkat	Add me in Faculty list

```
1 row in set (0.00 sec)
```

- Faculty added

```
mysql> select * from checklist;
```

name
Ajith
Joshne
Krunal
Mike
Nikil
Nishok
Rajesh
Venkat
Vijay
Watson
Yuvaraj

```
11 rows in set (0.00 sec)
```

- Faculty removed

name
Ajith
Joshne
Krunal
Mike
Nikil
Nishok
Rajesh
Vijay
Watson
Yuvaraj