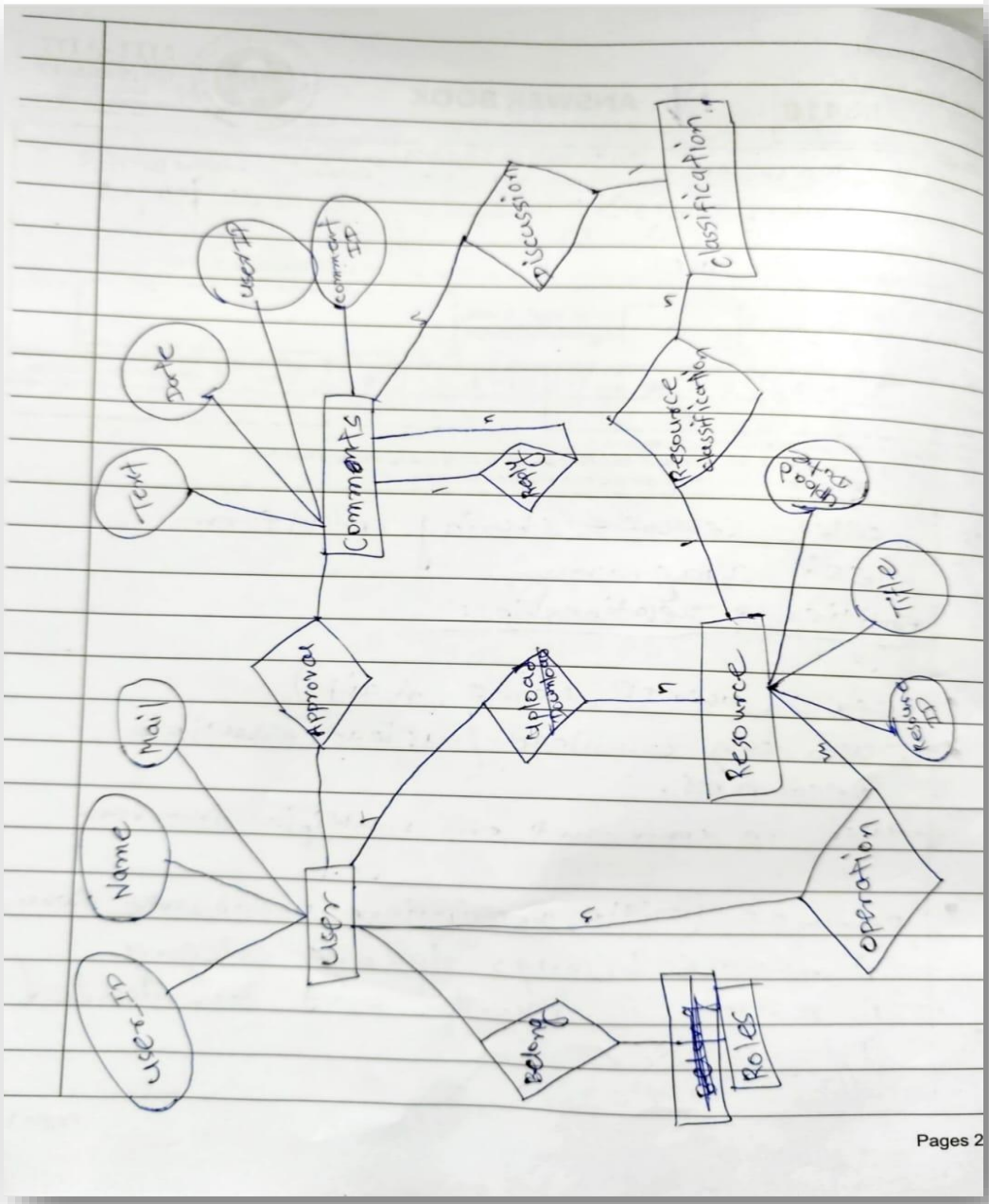
Name- Anurag Bodkhe

Roll no- 05

Enrollment- ADT23SOCB1509

1. Create an ER diagram based on your PBL-2 Mini Project.
2. Convert the ER diagram to Tables.
3. Execute the following queries based on the tables –



SQl – Queries

Table Creation: -

1.
```sql
CREATE TABLE Teacher (
    Teacher_ID INT PRIMARY KEY AUTO_INCREMENT,
    Name VARCHAR(100) NOT NULL,
    Email VARCHAR(100) UNIQUE NOT NULL,
    Department VARCHAR(100),
    Designation VARCHAR(100)
);
```

Teacher_ID	Name	Email	Department	Designation
1	Dr. Rajesh Kumar	rajesh.kumar@example.com	Computer Science	Professor
2	Prof. Anita Sharma	anita.sharma@example.com	Mathematics	Associate Professor
3	Dr. Sameer Verma	sameer.verma@example.com	Physics	Assistant Professor
NULL	NULL	NULL	NULL	NULL

2.
```sql
CREATE TABLE PersonalDiary (
    Diary_ID INT PRIMARY KEY AUTO_INCREMENT,
    Teacher_ID INT,
    Upload_Type VARCHAR(155),
    File_Link VARCHAR(255),
    Upload_Date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    FOREIGN KEY (Teacher_ID) REFERENCES Teacher(Teacher_ID)
);
```

Diary_ID	Teacher_ID	Upload_Type	File_Link	Upload_Date
1	1	Certificate	https://link.com/cert1.pdf	2025-03-01 10:00:00
2	1	Research Paper	https://link.com/research1.pdf	2025-03-02 12:30:00
3	2	Project	https://link.com/project1.pdf	2025-03-03 15:45:00
4	3	Other	https://link.com/other1.pdf	2025-03-04 09:20:00
NULL	NULL	NULL	NULL	NULL

3.
```sql
CREATE TABLE UploadedDocuments (
    Document_ID INT PRIMARY KEY AUTO_INCREMENT,
    Form_ID INT,
    File_Link VARCHAR(255),
    Category VARCHAR(255)
);
```

Document_ID	Form_ID	File_Link	Category
1	1	https://example.com/research2.pdf	Research
2	2	https://example.com/cert2.pdf	Certification
3	3	https://example.com/project2.pdf	Project
NULL	NULL	NULL	NULL

4.

```
CREATE TABLE Admin (
    Admin_ID INT PRIMARY KEY AUTO_INCREMENT,
    Name VARCHAR(100) NOT NULL,
    Email VARCHAR(100) UNIQUE NOT NULL,
    Role VARCHAR(50)
);
```

Admin_ID	Name	Email	Role
1	Dr. Prakash Mehta	prakash.mehta@example.com	HOD
2	Dr. Sunita Das	sunita.das@example.com	Principal
3	Prof. Ramesh Iyer	ramesh.iyer@example.com	Committee
NULL	NULL	NULL	NULL