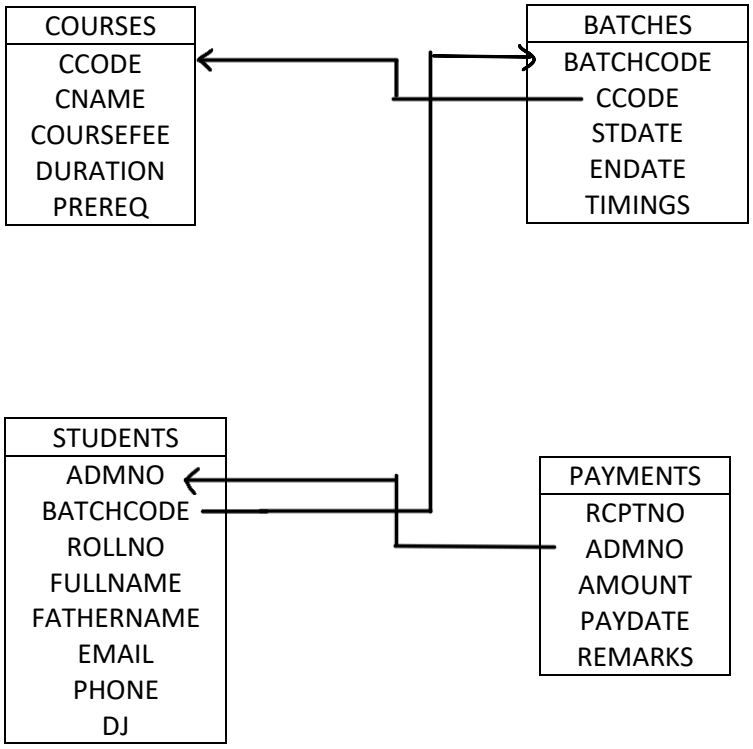
IMAGINARY STUDENT DATABASE

BY ANNWESHA NAHA

The following tables are used to store the details of students of an imaginary institute.



Courses

This table contains details of all courses offered by the institute.

COLUMN NAME	DATATYPE	DESCRIPTION
CCODE	VARCHAR2(10)	COURSE CODE – PRIMARY KEY
CNAME	VARCHAR2(20)	COURSE NAME
COURSEFEE	NUMBER(6)	COURSE FEE IN INR.
DURATION	NUMBER(3)	DURATION OF COURSE IN MINUTES
PREREQ	VARCHAR2(30)	PREREQUISITE FOR THE COURSE

Batches

This table contains details of all batches, running and completes and yet to start.

COLUMN NAME	DATATYPE	DESCRIPTION

BATCHCODE	VARCHAR2(10)	A UNIQUE CODE FOR EACH BATCH WITH FORMAT - PRIMARY KEY
CCODE	VARCHAR2(10)	A FOREIGN KEY REFERENCING THE COURSE TAUGHT IN THIS BATCH.
STDATE	DATE	STARTING DATE OF THIS BATCH
ENDDATE	DATE	ENDING DATE OF THE BATCH. COULD BE NULL UNTIL BATCH IS COMPLETED
TIMINGS	VARCHAR2(20)	BATCH TIMINGS

Students

This table contains details of all students of all batches. Each student is given a unique admission number. Each student in the batch is given a roll number, which is unique in the batch.

COLUMN NAME	DATATYPE	DESCRIPTION
ADMNO	NUMBER(5)	A UNIQUE NUMBER ASSIGNED TO EACH STUDENT OF THE INSTITUTE – PRIMARY KEY
BATCHCODE	VARCHAR2(10)	BATCH CODE FOR THE BATCH TO WHICH STUDENT BELONGS. FOREIGN KEY, REFERENCES BATCHES TABLE.
ROLLNO	NUMBER(3)	ROLL NUMBER OF THE STUDENT IN THE BATCH
FULLNAME	VARCHAR2(20)	NAME OF THE STUDENT.
FATHERNAME	VARCHAR2(20)	FATHER'S NAME OF THE STUDENT.
EMAIL	VARCHAR2(30)	EMAIL THE STUDENT
PHONENO	VARCHAR2(12)	PHONE NUMBEROF THE STUDENT
DJ	DATE	DATE ON WHICH STUDENT JOINED.

Payments

This table contains details of all payments made by students.

COLUMN NAME	DATATYPE	DESCRIPTION
RCPTNO	NUMBER(5)	RECEIPT NUMBER FOR PAYMENT – PRIMARY KEY.
ADMNO	NUMBER(5)	ADMISSION NUMBER OF THE STUDENT MAKING THE PAYMENT. FOREIGN KEY, REFERENCING STUDENTS TABLE.
AMOUNT	NUMBER(6)	AMOUNT PAID BY STUDENT
PAYDATE	DATE	DATE OF PAYMENT
REMARKS	VARCHAR2(20)	REMARKS REGARDING PAYMENT

Commands to create tables and insert sample data

The following CREATE TABLE commands are used to create these tables. Each CREATE TABLE command is followed by some INSERT commands to insert sample data into table.

COURSES

```
SQL> CREATE TABLE COURSES(
  2  CCODE      VARCHAR2(10) CONSTRAINT COURSES_PK PRIMARY KEY,
  3  CNAME      VARCHAR2(20) CONSTRAINT COURSES_CNAME_NN NOT NULL,
  4  COURSEFEE  NUMBER(6),
  5  DURATION   NUMBER(3),
  6  PREREQ     VARCHAR2(30)
  7  );

Table created.
```

```
SQL> INSERT INTO COURSES VALUES('ORACLE21C','ORACLE DATABASE 21 C',2500,40,'PROGRAMMING KNOWLEDGE');

1 row created.

SQL> INSERT INTO COURSES VALUES('JAVA21','JAVA 21 SE',2500,40,'OBJECT ORIENTED PROGRAMMING');

1 row created.

SQL> INSERT INTO COURSES VALUES('REACTJS','REACTJS',2000,30,'HTML, CSS AND BASIC JS');

1 row created.
```

BATCHES

```
SQL> CREATE TABLE BATCHES(
  2  BATCHCODE  VARCHAR2(10) CONSTRAINT BATCHES_PK PRIMARY KEY,
  3  CCODE      VARCHAR2(10) CONSTRAINT BATCHES_CCODE_FK REFERENCES COURSES(CCODE),
  4  STDATE     DATE,
  5  ENDDATE    DATE,
  6  TIMINGS    VARCHAR2(20),
  7  CONSTRAINT BATCHES_DATE_CHECK CHECK(STDATE <= ENDDATE)
  8  );

Table created.
```

```
SQL> INSERT INTO BATCHES VALUES('ORA130508','ORACLE21C','13-MAY-25','17-JUN-25','4:30 TO 6:00 PM');

1 row created.

SQL> INSERT INTO BATCHES VALUES('RJSX21095','REACTJS','13-MAY-25','5-JUN-25','4:30 TO 6:00 PM');

1 row created.

SQL> INSERT INTO BATCHES VALUES('ORA18237','ORACLE21C','27-JUN-25',NULL,'5:00 TO 6:00 PM');

1 row created.

SQL> INSERT INTO BATCHES VALUES('JAVA92518','JAVA21','27-JUN-25',NULL,'6:00 TO 8:00 PM');

1 row created.
```

STUDENTS

```
SQL> CREATE TABLE STUDENTS(
  2  ADMNO      NUMBER(5) CONSTRAINT STUDENTS_PK PRIMARY KEY,
  3  BATCHCODE  VARCHAR2(10) CONSTRAINT STUDENTS_BATCHCODE_FK REFERENCES BATCHES(BATCHCODE),
  4  ROLLNO     NUMBER(3),
  5  FULLNAME   VARCHAR2(20) CONSTRAINT STUDENTS_FULLNAME_NN NOT NULL,
  6  FATHERNAME VARCHAR2(20),
  7  EMAIL VARCHAR2(30),
  8  PHONENO VARCHAR2(12),
  9  DJ DATE,
 10  CONSTRAINT STUDENTS_BATCHCODE_ROLLNO_U UNIQUE(BATCHCODE,ROLLNO));

Table created.
```

```
SQL> INSERT INTO STUDENTS VALUES(1,'ORA130508',1,'ENID BLYTON', 'TIM BLYTON','EBLYTON@GMAIL.COM', '9873737334','11-MAY-25');

1 row created.

SQL> INSERT INTO STUDENTS VALUES(2,'ORA130508',2,'AGATHA CHRISTIE', 'KEN CHRISTIE','CHRISTIE90@GMAIL.COM', '9833334334','11-MAY-25');

1 row created.

SQL> INSERT INTO STUDENTS VALUES(3,'RJSX21095',1,'LUCY FOLEY', ' BOB FOLEY','FOLEYB@GMAIL.COM', '9934344343','11-MAY-25');

1 row created.

SQL> INSERT INTO STUDENTS VALUES(4,'JAVA92518',1,'JAMES PETERSON', 'JAMES ROBERTS','JAMES35@GMAIL.COM', '9989898998','26-JUN-25');

1 row created.

SQL> INSERT INTO STUDENTS VALUES(5,'JAVA92518',2,'FREDRICK BACKMAN', 'KENNY BACKMAN','KBACK12@GMAIL.COM', '9983373333','27-JUN-25');

1 row created.

SQL> INSERT INTO STUDENTS VALUES(6,'ORA18237',1,'JOHN GREEN', 'GLEN GREEN','GREENERY24@GMAIL.COM', '9898398985','28-JUN-25');

1 row created.

SQL> INSERT INTO STUDENTS VALUES(7,'ORA18237',2,'JAY ASHER', 'BATES ASHER','JASHY@GMAIL.COM', '234423232','30-JUN-25');

1 row created.
```

PAYMENTS

```
SQL> CREATE TABLE PAYMENTS(
  2  RCPTNO     NUMBER(5) CONSTRAINT PAYMENTS_PK PRIMARY KEY,
  3  ADMNO      NUMBER(5) CONSTRAINT PAYMENTS_ADMNO_FK REFERENCES STUDENTS(ADMNO) ON DELETE CASCADE,
  4  AMOUNT     NUMBER(6) CONSTRAINT PAYMENTS_AMOUNT_NN NOT NULL
  5  CONSTRAINT PAYMENTS_AMOUNT_CHECK CHECK (AMOUNT>0),
  6  PAYDATE    DATE,
  7  REMARKS    VARCHAR2(20)
  8  );
```

```
SQL> INSERT INTO PAYMENTS VALUES(1,1,300,'11-MAY-25','REG. FEE');

1 row created.

SQL> INSERT INTO PAYMENTS VALUES(2,2,2500,'11-MAY-25','TOTAL FEE');

1 row created.

SQL> INSERT INTO PAYMENTS VALUES(3,3,1000,'11-MAY-25','REG. FEE');

1 row created.

SQL> INSERT INTO PAYMENTS VALUES(4,3,2750,'12-MAY-25',NULL);

1 row created.

SQL> INSERT INTO PAYMENTS VALUES(5,4,300,'26-JUN-25','REG. FEE');

1 row created.

SQL> INSERT INTO PAYMENTS VALUES(6,5,300,'27-JUN-25','REG. FEE');

1 row created.

SQL> INSERT INTO PAYMENTS VALUES(7,4,1700,'27-JUN-25',NULL);

1 row created.

SQL> INSERT INTO PAYMENTS VALUES(8,5,1700,'29-JUN-25',NULL);

1 row created.

SQL> INSERT INTO PAYMENTS VALUES(9,6,2500,'28-JUN-25','CHEQUE NO:3434343');

1 row created.

SQL> INSERT INTO PAYMENTS VALUES(10,7,2500,'30-JUN-25',NULL);

1 row created.
```

SIMPLE QUERIES

1. DISPLAY ALL STUDENTS IN THE ASCENDING ORDER OF BACHCODE AND JOINING DATE

SQL: SELECT * FROM STUDENTS ORDER BY BATCHCODE, DJ;

```
SQL> SELECT * FROM STUDENTS ORDER BY BATCHCODE, DJ;

     ADMNO BATCHCODE      ROLLNO FULLNAME           FATHERNAME          EMAIL               PHONENO    DJ
---------- ---------- ---------- ------------------- ------------------- ------------------- ---------- ---------
         4 JAVA92518           1 JAMES PETERSON      JAMES ROBERTS       JAMES35@GMAIL.COM   9989898998 26-JUN-25
         5 JAVA92518           2 FREDRICK BACKMAN    KENNY BACKMAN       KBACK12@GMAIL.COM   9983373333 27-JUN-25
         2 ORA130508           2 AGATHA CHRISTIE     KEN CHRISTIE        CHRISTIE90@GMAIL.COM 9833334334 11-MAY-25
         1 ORA130508           1 ENID BLYTON         TIM BLYTON          EBLYTON@GMAIL.COM   9873737334 11-MAY-25
         6 ORA18237            1 JOHN GREEN          GLEN GREEN          GREENERY24@GMAIL.COM 9898398985 28-JUN-25
         7 ORA18237            2 JAY ASHER           BATES ASHER         JASHY@GMAIL.COM     234423232  30-JUN-25
         3 RJSX21095           1 LUCY FOLEY           BOB FOLEY          FOLEYB@GMAIL.COM    9934344343 11-MAY-25
```

2. DISPLAY ALL PAYMENTS MADE IN THE MONTH OF MAY, 2025

SQL: SELECT * FROM PAYMENTS WHERE PAYDATE BETWEEN '1-MAY-08' AND '31-MAY-08';

```
SQL> SELECT * FROM PAYMENTS WHERE PAYDATE BETWEEN '1-MAY-25' AND '31-MAY-25';

    RCPTNO      ADMNO     AMOUNT PAYDATE   REMARKS
---------- ---------- ---------- --------- --------------------
         1          1        300 11-MAY-25 REG. FEE
         2          2       2500 11-MAY-25 TOTAL FEE
         3          3       1000 11-MAY-25 REG. FEE
         4          3       2750 12-MAY-25
```

3. DISPLAY ALL PAYMENT MADE THROUGH CHEQUE

SQL: SELECT * FROM PAYMENTS WHERE REMARKS LIKE '%CHEQUE%';

```
SQL>  SELECT * FROM PAYMENTS WHERE REMARKS LIKE '%CHEQUE%';

    RCPTNO      ADMNO     AMOUNT PAYDATE   REMARKS
---------- ---------- ---------- --------- --------------------
         9          6       2500 28-JUN-25 CHEQUE NO:3434343
```

4. DISPLAY STUDENT NAME, FATHERNAME AND JOINING DATE.

SQL: SELECT FULLNAME, FATHERNAME, DJ FROM STUDENTS;

```
SQL> SELECT FULLNAME, FATHERNAME, DJ FROM STUDENTS;

FULLNAME            FATHERNAME          DJ
------------------- ------------------- ---------
ENID BLYTON         TIM BLYTON          11-MAY-25
AGATHA CHRISTIE     KEN CHRISTIE        11-MAY-25
LUCY FOLEY           BOB FOLEY          11-MAY-25
JAMES PETERSON      JAMES ROBERTS       26-JUN-25
FREDRICK BACKMAN    KENNY BACKMAN       27-JUN-25
JOHN GREEN          GLEN GREEN          28-JUN-25
JAY ASHER           BATES ASHER         30-JUN-25

7 rows selected.
```

5. DISPLAY BATCHES THAT ARE CURRENTLY RUNNING.

SQL: SELECT * FROM BATCHES WHERE ENDDATE IS NULL;

```
SQL> SELECT * FROM BATCHES WHERE ENDDATE IS NULL;

BATCHCODE  CCODE      STDATE    ENDDATE   TIMINGS
---------- ---------- --------- --------- --------------------
ORA18237   ORACLE21C  27-JUN-25           5:00 TO 6:00 PM
JAVA92518  JAVA21     27-JUN-25           6:00 TO 8:00 PM
```

6. DISPLAY BATCHES OF JAVASE AND ORACLE.

SQL: SELECT * FROM BATCHES WHERE CCODE IN ('JAVA21','ORACLE21C');

```
SQL> SELECT * FROM BATCHES WHERE CCODE IN ('JAVA21','ORACLE21C');

BATCHCODE  CCODE      STDATE    ENDDATE   TIMINGS
---------- ---------- --------- --------- --------------------
ORA130508  ORACLE21C  13-MAY-25 17-JUN-25 4:30 TO 6:00 PM
ORA18237   ORACLE21C  27-JUN-25           5:00 TO 6:00 PM
JAVA92518  JAVA21     27-JUN-25           6:00 TO 8:00 PM
```

7. DISPLAY DUE DATE FOR THE PAYMENT ASSUMING DUE DATE IS 7 DAYS FROM DJ.

SQL: SELECT FULLNAME, BATCHCODE, DJ, DJ + 7 DUEDATE FROM STUDENTS;

```
SQL> SELECT FULLNAME, BATCHCODE, DJ, DJ + 7 DUEDATE FROM STUDENTS;

FULLNAME             BATCHCODE  DJ        DUEDATE
-------------------- ---------- --------- ---------
ENID BLYTON          ORA130508  11-MAY-25 18-MAY-25
AGATHA CHRISTIE      ORA130508  11-MAY-25 18-MAY-25
LUCY FOLEY           RJSX21095  11-MAY-25 18-MAY-25
JAMES PETERSON       JAVA92518  26-JUN-25 03-JUL-25
FREDRICK BACKMAN     JAVA92518  27-JUN-25 04-JUL-25
JOHN GREEN           ORA18237   28-JUN-25 05-JUL-25
JAY ASHER            ORA18237   30-JUN-25 07-JUL-25

7 rows selected.
```

8. DISPLAY DETAILS OF COURSES WITH A PROPOSED INCREASE OF 10% IN COURSE FEE FOR COURSES WITH COURESE FEE LESS THAN 3000.

SQL: SELECT CNAME, COURSEFEE, COURSEFEE * 1.1 NEWFEE FROM COURSES

WHERE COURSEFEE < 3000;

```
SQL> SELECT CNAME, COURSEFEE, COURSEFEE * 1.1 NEWFEE FROM COURSES
  2  WHERE COURSEFEE < 3000;

CNAME                COURSEFEE     NEWFEE
-------------------- ---------- ----------
ORACLE DATABASE 21 C       2500       2750
JAVA 21 SE                 2500       2750
REACTJS                    2000       2200
```

9. DISPLAY STUDENTS WHOSE NAME CONTAINS LETTER 'J' AND FATHER'S NAME CONTAINS LETTER 'B'.

SQL: SELECT * FROM STUDENTS WHERE FULLNAME LIKE '%J%' AND FATERNAME LIKE '%B%';

```
SQL> SELECT * FROM STUDENTS WHERE FULLNAME LIKE '%J%' AND FATHERNAME LIKE '%B%';

     ADMNO BATCHCODE      ROLLNO FULLNAME            FATHERNAME          EMAIL               PHONENO      DJ
---------- ---------- ---------- -------------------- -------------------- -------------------- ------------ ---------
         4 JAVA92518           1 JAMES PETERSON       JAMES ROBERTS        JAMES35@GMAIL.COM    9989898998   26-JUN-25
         7 ORA18237            2 JAY ASHER            BATES ASHER          JASHY@GMAIL.COM      234423232    30-JUN-25
```

10. DISPLAY BATCHES THAT ARE RUNNING FOR MORE THAN 45 DAYS.

SQL: SELECT * FROM BATCHES WHERE SYSDATE - STDATE > 45;

```
SQL> SELECT * FROM BATCHES WHERE SYSDATE - STDATE > 45;

BATCHCODE  CCODE      STDATE    ENDDATE   TIMINGS
---------- ---------- --------- --------- --------------------
ORA130508  ORACLE21C  13-MAY-25 17-JUN-25 4:30 TO 6:00 PM
RJSX21095  REACTJS    13-MAY-25 05-JUN-25 4:30 TO 6:00 PM
```

GROUPING

1. DISPLAY TOTAL AMOUNT PAID BY ALL STUDENTS

SQL: SELECT SUM(AMOUNT) FROM PAYMENTS;

```
SQL> SELECT SUM(AMOUNT) FROM PAYMENTS;

SUM(AMOUNT)
-----------
      15550
```

2. DISPLAY THE HIGHEST RECEIPT NUMBER FOR PAYMENTS IN THE MONTH OF MAY,2025.

SQL: SELECT MAX(RCPTNO) FROM PAYMENTS WHERE PAYDATE BETWEEN '1-MAY-25' AND '31-MAY-25';

```
SQL> SELECT MAX(RCPTNO) FROM PAYMENTS WHERE PAYDATE BETWEEN '1-MAY-25' AND '31-MAY-25';

MAX(RCPTNO)
-----------
          4
```

3. DISPLAY BATCHCODE AND NO. OF STUDENTS IN THE BATCH.

SQL: SELECT BATCHCODE, COUNT(ROLLNO) FROM STUDENTS GROUP BY BATCHCODE;

```
SQL> SELECT BATCHCODE, COUNT(ROLLNO) FROM STUDENTS GROUP BY BATCHCODE;

BATCHCODE  COUNT(ROLLNO)
---------- -------------
ORA130508              2
RJSX21095              1
JAVA92518              2
ORA18237               2
```

4. DISPLAY THE MOST RECENTLY STATED BATCHED FOR EACH COURSE.

SQL: SELECT CCODE, MAX(STDATE) FROM BATCHES GROUP BY CCODE;

```
SQL> SELECT CCODE, MAX(STDATE) FROM BATCHES GROUP BY CCODE;

CCODE      MAX(STDAT
---------- ---------
ORACLE21C  27-JUN-25
REACTJS    13-MAY-25
JAVA21     27-JUN-25
```

JOINING

1. DISPLAY BATCHCODE , COURSE NAME,STARTING DATE

SQL: SELECT BATCHCODE, CNAME, STDATE FROM BATCHES B, COURSES C WHERE B.CCODE = C.CCODE;

```
SQL> SELECT BATCHCODE, CNAME, STDATE FROM BATCHES B, COURSES C WHERE B.CCODE = C.CCODE;

BATCHCODE  CNAME                 STDATE
---------- -------------------- ---------
ORA130508  ORACLE DATABASE 21 C 13-MAY-25
RJSX21095  REACTJS              13-MAY-25
ORA18237   ORACLE DATABASE 21 C 27-JUN-25
JAVA92518  JAVA 21 SE           27-JUN-25
```

2. DISPLAY RCPTNO, FULLNAME, AMOUNT PAID AND PAY DATE IN THE ORDER OF PAYDATE.

SQL: SELECT RCPTNO, FULLNAME, AMOUNT , PAYDATE FROM PAYMENTS P, STUDENTS S

WHERE P.ADMNO = S.ADMNO ORDER BY PAYDATE;

```
SQL>  SELECT RCPTNO, FULLNAME, AMOUNT , PAYDATE FROM PAYMENTS P, STUDENTS S
  2  WHERE P.ADMNO = S.ADMNO ORDER BY PAYDATE;

    RCPTNO FULLNAME               AMOUNT PAYDATE
---------- -------------------- ---------- ---------
         1 ENID BLYTON                 300 11-MAY-25
         2 AGATHA CHRISTIE            2500 11-MAY-25
         3 LUCY FOLEY                 1000 11-MAY-25
         4 LUCY FOLEY                 2750 12-MAY-25
         5 JAMES PETERSON              300 26-JUN-25
         6 FREDRICK BACKMAN            300 27-JUN-25
         7 JAMES PETERSON             1700 27-JUN-25
         9 JOHN GREEN                 2500 28-JUN-25
         8 FREDRICK BACKMAN           1700 29-JUN-25
        10 JAY ASHER                  2500 30-JUN-25

10 rows selected.
```

3. DISPLAY COURSE NAME, BATCHCODE AND FULLNAME.

SQL: SELECT CNAME, B.BATCHCODE, FULLNAME FROM STUDENTS S, BATCHES B, COURSES C

WHERE B.BATCHCODE = S.BATCHCODE AND C.CCODE = B.CCODE;

```
SQL> SELECT CNAME, B.BATCHCODE, FULLNAME FROM STUDENTS S, BATCHES B, COURSES C
  2  WHERE B.BATCHCODE = S.BATCHCODE AND C.CCODE = B.CCODE;

CNAME                BATCHCODE  FULLNAME
-------------------- ---------- --------------------
ORACLE DATABASE 21 C ORA130508  ENID BLYTON
ORACLE DATABASE 21 C ORA130508  AGATHA CHRISTIE
REACTJS              RJSX21095  LUCY FOLEY
JAVA 21 SE           JAVA92518  JAMES PETERSON
JAVA 21 SE           JAVA92518  FREDRICK BACKMAN
ORACLE DATABASE 21 C ORA18237   JOHN GREEN
ORACLE DATABASE 21 C ORA18237   JAY ASHER

7 rows selected.
```

4. DISPLAY NO. OF STUDENTS JOINED FOR EACH COURSE.

SQL: SELECT CNAME, COUNT(*) FROM STUDENTS S, BATCHES B, COURSES C

WHERE C.CCODE = B.CCODE AND B.BATCHCODE = S.BATCHCODE

GROUP BY CNAME;

```
SQL> SELECT CNAME, COUNT(*) FROM STUDENTS S, BATCHES B, COURSES C
  2  WHERE C.CCODE = B.CCODE AND B.BATCHCODE = S.BATCHCODE
  3  GROUP BY CNAME;

CNAME                COUNT(*)
-------------------- ----------
JAVA 21 SE                    2
ORACLE DATABASE 21 C          4
REACTJS                       1
```

5. DISPLAY THE AMOUNT PAID BY EACH STUDENT IN BATCH 'ORA130508'.

SQL: SELECT ROLLNO,FULLNAME, SUM(AMOUNT) AMOUNTPAID

FROM STUDENTS S, PAYMENTS P

WHERE S.ADMNO = P.ADMNO AND BATCHCODE = 'ORA130508'

GROUP BY S.ROLLNO, FULLNAME

ORDER BY ROLLNO;

```
SQL> SELECT ROLLNO,FULLNAME, SUM(AMOUNT) AMOUNTPAID
  2  FROM STUDENTS S, PAYMENTS P
  3  WHERE S.ADMNO = P.ADMNO AND BATCHCODE = 'ORA130508'
  4  GROUP BY S.ROLLNO, FULLNAME
  5   ORDER BY ROLLNO;

    ROLLNO FULLNAME            AMOUNTPAID
---------- -------------------- ----------
         1 ENID BLYTON                 300
         2 AGATHA CHRISTIE            2500
```

SUB QUERIES

1. DISPLAY THE PAYMENTS MADE BY STUDENT 'LUCY FOLEY'

SQL: SELECT * FROM PAYMENTS

WHERE ADMNO = (SELECT ADMNO FROM STUDENTS

WHERE FULLNAME = 'LUCY FOLEY');

```
SQL> SELECT * FROM PAYMENTS
  2  WHERE ADMNO = (SELECT ADMNO FROM STUDENTS
  3  WHERE FULLNAME = 'LUCY FOLEY');

    RCPTNO      ADMNO     AMOUNT PAYDATE   REMARKS
---------- ---------- ---------- --------- --------------------
         3          3       1000 11-MAY-25 REG. FEE
         4          3       2750 12-MAY-25
```

2. DISPLAY PAYMENTS MADE BY STUDENTS WHO JOINED INTO 'ORA270608' BATCH.

SQL: SELECT * FROM PAYMENTS

WHERE ADMNO IN (SELECT ADMNO FROM STUDENTS

WHERE BATCHCODE = 'ORA18237')

ORDER BY ADMNO;

```
SQL> SELECT * FROM PAYMENTS
  2  WHERE ADMNO IN (SELECT ADMNO FROM STUDENTS
  3  WHERE BATCHCODE = 'ORA18237')
  4  ORDER BY ADMNO;

    RCPTNO      ADMNO     AMOUNT PAYDATE   REMARKS
---------- ---------- ---------- --------- --------------------
         9          6       2500 28-JUN-25 CHEQUE NO:3434343
        10          7       2500 30-JUN-25
```