



الجامعة الإسلامية العالمية ماليزيا
INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA
يُونَيْتِيْ اِسْلَامُ اَنْتَا اِبْعَثَا مَلِيْسِيَا

PROJECT TITLE: TIME TABLE

SECTION : 02

LECTURER NAME : MADAM ZAINATUL SHIMA ABDULLAH SHIMA ABDULLAH

NO	NAME	MATRIC NUMBER
1	MUHAMMAD HAZIM BIN NAZLAN	1818203
2	MUHAMMAD HAMMIZIE BIN ZAMRI	1812129
3	MUHAMMAD AZRI BIN HASIN	1813785
4	MUHAMMAD SHAFIQ BIN SHAMSURI	1811069

Task 1: Scenario

As a student we want to keep records of our class schedule so that we will not miss out on our class. So we design a database to help us store and arrange this information in a way which allows us to see through it efficiently, and to update it when necessary.

Task 2: ER Diagram

Task 3: DATA DICTIONARY

STUDENT

ATTRIBUTE NAME	DATA TYPE	SIZE	NULL
matricno	VARCHAR2	8	NO(PK)
studentname	VARCHAR2	25	NO
email	VATCHAR2	25	NO
password	VARCHAR2	25	NO
kulliyyah	VARCHAR2	30	YES

SCHEDULE

ATTRIBUTE NAME	DATA TYPE	SIZE	NULL
starttime	VARCHAR2	6	YES
endtime	VARCHAR2	6	YES
day	VARCHAR2	10	YES
matricno	VARCHAR2	8	YES
coursecode	VARCHAR2	12	YES

SUBJECT

ATTRIBUTE NAME	DATA TYPE	SIZE	NULL
coursecode	VARCHAR2	12	NO
subjectname	VARCHAR2	25	NO
credithour	NUMBER	2	YES
placeID	VARCHAR2	15	YES

PLACE

ATTRIBUTE NAME	DATA TYPE	SIZE	NULL
placeID	VARCHAR2	15	NO
placename	VARCHAR2	25	NO
placelevel	NUMBER	2	YES
placeblock	VARCHAR2	2	YES

Task 4

```
DROP TABLE schedule;  
DROP TABLE subject;  
DROP TABLE place;  
DROP TABLE student;
```

```
CREATE TABLE student (  
  matricno VARCHAR2(8) NOT NULL,  
  studentname VARCHAR2(25) NOT NULL,  
  email VARCHAR2(25) NOT NULL,  
  password VARCHAR2(25) NOT NULL,  
  kuliyyah VARCHAR2(30),  
  PRIMARY KEY (matricno));
```

```
CREATE TABLE place(  
  placeID VARCHAR2(15) NOT NULL,  
  placename VARCHAR2(25) NOT NULL,  
  placelevel NUMBER(2),  
  placeblock VARCHAR2(2),  
  PRIMARY KEY (placeID));
```

```
CREATE TABLE subject(  
  coursecode VARCHAR2(12) NOT NULL,  
  subjectname VARCHAR2(25) NOT NULL,  
  credithour NUMBER(2),  
  PRIMARY KEY (coursecode),  
  placeID VARCHAR2(15),  
  FOREIGN KEY(placeID) REFERENCES place(placeID) ON DELETE CASCADE);
```

```
CREATE TABLE schedule (  
  starttime VARCHAR2(6),  
  endtime VARCHAR2(6),  
  day VARCHAR2(10),  
  matricno VARCHAR2(8),  
  FOREIGN KEY(matricno) REFERENCES student(matricno) ON DELETE CASCADE,  
  coursecode VARCHAR2(12),  
  FOREIGN KEY(coursecode) REFERENCES subject(coursecode) ON DELETE CASCADE);
```

Task 5

```
INSERT INTO student VALUES('1812129', 'ahmad', 'ahmad@gmail.com', '1234', 'kict');
INSERT INTO student VALUES('1234567', 'ali', 'ali@gmail.com', '2345', 'kaed');
INSERT INTO student VALUES('1712234', 'rosli', 'rosli@gmail.com', '3456', 'kict');
INSERT INTO student VALUES('1621111', 'sarah', 'sarah@email.com', '4567', 'koe');
INSERT INTO student VALUES('1726678', 'yusri', 'yusri@gmail.com', '7788', 'kemns');
INSERT INTO student VALUES('1812130', 'eddie', 'eddie@gmail.com', '1234', 'kict');
INSERT INTO student VALUES('1812131', 'hazim', 'hazim@gmail.com', '7899', 'kaed');
INSERT INTO student VALUES('1812132', 'rizal', 'rizal@gmail.com', '3456', 'koe');
INSERT INTO student VALUES('1812133', 'omar', 'omar@email.com', '4567', 'koe');
INSERT INTO student VALUES('1812134', 'hanis', 'hanis@gmail.com', '7788', 'kemns');
```

```
INSERT INTO place VALUES('1', 'Lab 1', 1, 'A');
INSERT INTO place VALUES('2', 'Lab 7', 1, 'B');
INSERT INTO place VALUES('3', 'Experimental Lab 1', 1, 'C');
INSERT INTO place VALUES('4', 'Computer Lab', 1, 'D');
INSERT INTO place VALUES('5', 'Lab 4', 1, 'E');
INSERT INTO place VALUES('6', 'Lab 3', 2, 'A');
INSERT INTO place VALUES('7', 'Lab 14', 2, 'B');
INSERT INTO place VALUES('8', 'Lab 5', 2, 'C');
INSERT INTO place VALUES('9', 'Lab 12', 3, 'D');
INSERT INTO place VALUES('10', 'Lab 11', 3, 'E');
INSERT INTO place VALUES('11', 'Lab 10', 3, 'A');
INSERT INTO place VALUES('12', 'Lab 6', 3, 'B');
INSERT INTO place VALUES('13', 'Lab 2', 3, 'C');
INSERT INTO place VALUES('14', 'Experimental Lab 2', 4, 'A');
INSERT INTO place VALUES('15', 'Lecture Room 1', 4, 'B');
INSERT INTO place VALUES('16', 'Lecture Room 2', 4, 'C');
```

```
INSERT INTO subject VALUES('CSC 1100', 'ELEMENT PROGRAMMING', 3, '1');
INSERT INTO subject VALUES('INFO 1103', 'DATABASE SYSTEM', 3, '2');
INSERT INTO subject VALUES('CSC 1707', 'MATH FROM COMPUTING1', 3, '3');
INSERT INTO subject VALUES('INFO 1501', 'BUSSINESS FUNDAMENTAL', 3, '4');
INSERT INTO subject VALUES('MPU 3122', 'TITAS', 2, '5');
INSERT INTO subject VALUES('UNGS 2011', 'CREATIVE THINKING', 2, '6');
INSERT INTO subject VALUES('TQ 1001', 'TILAWAH 1', 1, '7');
INSERT INTO subject VALUES('CCCD 1611', 'USRAH 1', 1, '8');
INSERT INTO subject VALUES('CSC 1706', 'PROBABILITY', 3, '9');
INSERT INTO subject VALUES('CSC 1501', 'INTRO SOFTWARE', 3, '10');
```

```

INSERT INTO subject VALUES('CSC 1103', 'OOP', 3,'11');
INSERT INTO subject VALUES('CSC 1401', 'INTRO COMPUTER ORGANIZ', 3,'12');
INSERT INTO subject VALUES('LM 2026', 'BAHASA MELAYUSAINS', 2,'13');
INSERT INTO subject VALUES('MPU 3112', 'HUBUNGAN ETNIK', 2,'14');
INSERT INTO subject VALUES('TQ 2001', 'TILAWAH 2', 1,'15');
INSERT INTO subject VALUES('CCCD 1612', 'USRAH 2', '1');
INSERT INTO subject VALUES('INFO 2302', 'WEB TECH', 3,'2');
INSERT INTO subject VALUES('INFO 2103', 'DATABASE PROGRAMMING', 3,'3');
INSERT INTO subject VALUES('INFO 2201', 'MULTIMEDIA TECHNOLOGY', 3,'4');
INSERT INTO subject VALUES('UNGS 2080', 'ETHICS AND FIQH', 2,'5');
INSERT INTO subject VALUES('INFO 2401', 'SYSTEM ANALYSIS', 3,'6');
INSERT INTO subject VALUES('CSC 2602', 'PRINCIPLE IT ', 3,'7');
INSERT INTO subject VALUES('LQ 1008', 'ELEMENTARY QURANIC 1', 1,'8');
INSERT INTO subject VALUES('CC 2XXX', 'LEADERSHIP 1', 1,'9');
INSERT INTO subject VALUES('CSC 2104', 'DATA STRUCTURE', 3,'10');
INSERT INTO subject VALUES('INFO 2201', 'COMPUTER NETWORKING', 3,'11');
INSERT INTO subject VALUES('INFO 2501', 'MANAGEMENT INFORMATION', 3,'12');
INSERT INTO subject VALUES('INFO 3401', 'HUMAN COMPUTER', 3,'13');
INSERT INTO subject VALUES('CSC 3401', 'OPERATING SYSTEM', 3,'14');
INSERT INTO subject VALUES('LE 4000', 'ENGLISH', 3,'15');
INSERT INTO subject VALUES('LQ 2008', 'ELEMENTARY QURANIC 2', 1,'16');
INSERT INTO subject VALUES('CC 2XXX', 'LEADERSHIP 2', 1,'1');

```

```

INSERT INTO schedule VALUES('1000', '1120', 'TUESDAY',
'1812129', 'CSC 2201');
INSERT INTO schedule VALUES('1000', '1120', 'THURSDAY',
'1812129', 'CSC 2201');
INSERT INTO schedule VALUES('1400', '1530', 'TUESDAY',
'1812129', 'INFO 2103');
INSERT INTO schedule VALUES('1400', '1530', 'THURSDAY',
'1812129', 'INFO 2103');
INSERT INTO schedule VALUES('1130', '1250', 'MONDAY',
'1812129', 'INFO 2201');
INSERT INTO schedule VALUES('1130', '1250', 'WEDNESDAY',
'1812129', 'INFO 2201');
INSERT INTO schedule VALUES('1130', '1250', 'TUESDAY',
'1812129', 'INFO 2401');
INSERT INTO schedule VALUES('1130', '1250', 'THURSDAY',
'1812129', 'INFO 2401');
INSERT INTO schedule VALUES('1000', '1120', 'thursday',
'1812129', 'MPU 3122');
INSERT INTO schedule VALUES('1030', '1220', 'FRIDAY',

```

```

'1812129', 'UNGS 2090');
INSERT INTO schedule VALUES'1100', '1300', 'TUESDAY ',
'1234567', 'CCUB 1621');
INSERT INTO schedule VALUES'1400', '1520', 'MONDAY',
'1234567', 'CSC 1100');
INSERT INTO schedule VALUES'1400', '1520', 'WEDNESDAY ',
'1234567', 'CSC 1100');
INSERT INTO schedule VALUES'1400', '1520', 'TUESDAY',
'1234567', 'CSC 1501');
INSERT INTO schedule VALUES'1400', '1520', 'THURSDAY',
'1234567', 'CSC 1501');
INSERT INTO schedule VALUES'1000', '1120', 'MONDAY',
'1234567', 'CSC 1707');
INSERT INTO schedule VALUES'1000', '1120', 'WEDNESDAY',
'1234567', 'CSC 1707');
INSERT INTO schedule VALUES'1530', '1650', 'TUESDAY',
'1234567', 'INFO 1103');
INSERT INTO schedule VALUES'1530', '1650', 'THURSDAY',
'1234567', 'INFO 1103');
INSERT INTO schedule VALUES'1130', '1250', 'MONDAY',
'1234567', 'INFO 1501');
INSERT INTO schedule VALUES'1130', '1250', 'WEDNESDAY',
'1234567', 'INFO 1501');
INSERT INTO schedule VALUES'1100', '1250', 'tuesday',
'1712234', 'CCUB 2621');
INSERT INTO schedule VALUES'1400', '1530', 'wednesday',
'1712234', 'CSC 1103');
INSERT INTO schedule VALUES'0830', '1000', 'monday',
'1712234', 'CSC 1103');
INSERT INTO schedule VALUES'1100', '1250', 'tuesday',
'1712234', 'CSC 1401');
INSERT INTO schedule VALUES'1400', '1530', 'wednesday',
'1712234', 'CSC 1401');
INSERT INTO schedule VALUES'0830', '1000', 'monday',
'1712234', 'CSC 1706');
INSERT INTO schedule VALUES'1100', '1250', 'tuesday',
'1712234', 'CSC 1706');
INSERT INTO schedule VALUES'1400', '1530', 'wednesday',
'1712234', 'INFO 2302');
INSERT INTO schedule VALUES'1100', '1250', 'tuesday',
'1712234', 'INFO 2302');
INSERT INTO schedule VALUES'1400', '1530', 'wednesday',
'1712234', 'TQB 2001');

```



```

INSERT INTO schedule VALUES'0830', '1000', 'monday',
'1621111', 'CSC 1100');
INSERT INTO schedule VALUES'1030', '1200', 'monday',
'1621111', 'CSC 1103');
INSERT INTO schedule VALUES'1400', '1530', 'monday',
'1621111', 'CSC 1103');
INSERT INTO schedule VALUES'0830', '1000', 'tuesday',
'1621111', 'CSC 1401');
INSERT INTO schedule VALUES'1030', '1200', 'tuesday',
'1621111', 'CSC 1401');
INSERT INTO schedule VALUES'1400', '1530', 'wednesday',
'1621111', 'CSC 1706');
INSERT INTO schedule VALUES'0830', '1000', 'wednesday',
'1621111', 'CSC 1706');
INSERT INTO schedule VALUES'1100', '1250', 'wednesday',
'1621111', 'INFO 2302');
INSERT INTO schedule VALUES'1400', '1530', 'thursday',
'1621111', 'INFO 2302');
INSERT INTO schedule VALUES'1100', '1250', 'thursday',
'1621111', 'LM 2026');
INSERT INTO schedule VALUES'1400', '1530', 'friday',
'1621111', 'LM 2026');
INSERT INTO schedule VALUES'0830', '1000', 'monday',
'1726678', 'CSC 1100');
INSERT INTO schedule VALUES'1100', '1250', 'monday',
'1726678', 'CSC 1100');
INSERT INTO schedule VALUES'1000', '1130', 'tuesday',
'1726678', 'CSC 1501');
INSERT INTO schedule VALUES'1145', '1250', 'tuesday',
'1726678', 'CSC 1501');
INSERT INTO schedule VALUES'1400', '1520', 'tuesday',
'1726678', 'CSC 1707');
INSERT INTO schedule VALUES'0900', '1020', 'wednesday',
'1726678', 'CSC 1707');
INSERT INTO schedule VALUES'1030', '1150', 'wednesday',
'1726678', 'INFO 1103');
INSERT INTO schedule VALUES'1100', '1250', 'thursday',
'1726678', 'INFO 1103');
INSERT INTO schedule VALUES'1400', '1530', 'thursday',
'1726678', 'INFO 1501');
INSERT INTO schedule VALUES'1550', '1710', 'thursday',
'1726678', 'INFO 1501');
INSERT INTO schedule VALUES'0830', '1000', 'monday',

```

```

'1812130', 'LM 2026');
INSERT INTO schedule VALUES'1100', '1250', 'monday',
'1812130', 'MPU 3122');
INSERT INTO schedule VALUES'1400', '1530', 'monday',
'1812130', 'CSC 1501');
INSERT INTO schedule VALUES'0830', '1000', 'tuesday',
'1812130', 'CCCD 1612');
INSERT INTO schedule VALUES'1100', '1250', 'tuesday',
'1812130', 'CCCD 1611');
INSERT INTO schedule VALUES'0900', '1020', 'wednesday',
'1812130', 'LM 2026');
INSERT INTO schedule VALUES'1030', '1150', 'wednesday',
'1812130', 'MPU 3122');
INSERT INTO schedule VALUES'1400', '1520', 'wednesday',
'1812130', 'CSC 1501');
INSERT INTO schedule VALUES'1100', '1250', 'thursday',
'1812130', 'CCCD 1612');
INSERT INTO schedule VALUES'0900', '1100', 'friday',
'1812130', 'CCCD 1611');
INSERT INTO schedule VALUES'1400', '1530', 'friday',
'1812130', 'UNGS 2080');
INSERT INTO schedule VALUES'0830', '1000', 'monday',
'1812131', 'CSC 1100');
INSERT INTO schedule VALUES'1100', '1250', 'monday',
'1812131', 'CSC 1100');
INSERT INTO schedule VALUES'1400', '1530', 'tuesday',
'1812131', 'CSC 1501');
INSERT INTO schedule VALUES'0830', '1000', 'tuesday',
'1812131', 'CSC 1501');
INSERT INTO schedule VALUES'1100', '1250', 'tuesday',
'1812131', 'CSC 1707');
INSERT INTO schedule VALUES'1400', '1530', 'wednesday',
'1812131', 'CSC 1707');
INSERT INTO schedule VALUES'0830', '1000', 'wednesday',
'1812131', 'INFO 1103');
INSERT INTO schedule VALUES'1100', '1250', 'thursday',
'1812131', 'INFO 1103');
INSERT INTO schedule VALUES'1400', '1530', 'thursday',
'1812131', 'INFO 1501');
INSERT INTO schedule VALUES'1100', '1250', 'thursday',
'1812131', 'INFO 1501');
INSERT INTO schedule VALUES'0830', '1000', 'monday',
'1812132', 'INFO 2401');

```

```
INSERT INTO schedule VALUES'1100', '1250', 'monday',  
'1812132', 'UNGS 2080');  
INSERT INTO schedule VALUES'1400', '1530', 'monday',  
'1812132', 'INFO 2201');  
INSERT INTO schedule VALUES'1600', '1750', 'monday',  
'1812132', 'INFO 2103');  
INSERT INTO schedule VALUES'1100', '1250', 'tuesday',  
'1812132', 'CSC 1100');  
INSERT INTO schedule VALUES'0830', '1000', 'wednesday',  
'1812132', 'INFO 2401');  
INSERT INTO schedule VALUES'1100', '1250', 'wednesday',  
'1812132', 'UNGS 2080');  
INSERT INTO schedule VALUES'1400', '1530', 'wednesday',  
'1812132', 'INFO 2201');  
INSERT INTO schedule VALUES'1600', '1750', 'wednesday',  
'1812132', 'INFO 2103');  
INSERT INTO schedule VALUES'1100', '1250', 'friday',  
'1812132', 'INFO 3401');  
INSERT INTO schedule VALUES'1400', '1530', 'friday',  
'1812132', 'CSC 1707');  
INSERT INTO schedule VALUES'0830', '1000', 'monday',  
'1812133', 'CCCD 1612');  
INSERT INTO schedule VALUES'1100', '1250', 'monday',  
'1812133', 'CSC 1501');  
INSERT INTO schedule VALUES'0900', '1030', 'tuesday',  
'1812133', 'CSC 1706');  
INSERT INTO schedule VALUES'1040', '1200', 'tuesday',  
'1812133', 'CC 2XXX');  
INSERT INTO schedule VALUES'1400', '1530', 'tuesday',  
'1812133', 'INFO 2201');  
INSERT INTO schedule VALUES'0830', '1000', 'wednesday',  
'1812133', 'CCCD 1612');  
INSERT INTO schedule VALUES'1100', '1250', 'wednesday',  
'1812133', 'CSC 1501');  
INSERT INTO schedule VALUES'0900', '1030', 'thursday',  
'1812133', 'CSC 1706');  
INSERT INTO schedule VALUES'1040', '1200', 'thursday',  
'1812133', 'CC 2XXX');  
INSERT INTO schedule VALUES'1100', '1250', 'friday',  
'1812133', 'INFO 2201');  
INSERT INTO schedule VALUES'1400', '1530', 'friday',  
'1812133', 'CCCD 1611');  
INSERT INTO schedule VALUES'0830', '1000', 'monday',
```

```

'1812134', 'MPU 3112');
INSERT INTO schedule VALUES '1100', '1250', 'monday',
'1812134', 'INFO 2501');
INSERT INTO schedule VALUES '1000', '1120', 'tuesday',
'1812134', 'CSC 1103');
INSERT INTO schedule VALUES '1130', '1250', 'tuesday',
'1812134', 'UNGS 2080');
INSERT INTO schedule VALUES '0830', '0950', 'wednesday',
'1812134', 'MPU 3112');
INSERT INTO schedule VALUES '1000', '1120', 'wednesday',
'1812134', 'INFO 2501');
INSERT INTO schedule VALUES '1400', '1530', 'wednesday',
'1812134', 'LQ 1008');
INSERT INTO schedule VALUES '1000', '1120', 'thursday',
'1812134', 'CSC 1103');
INSERT INTO schedule VALUES '1130', '1250', 'thursday',
'1812134', 'UNGS 2080');
INSERT INTO schedule VALUES '1400', '1530', 'thursday',
'1812134', 'UNGS 2011');
INSERT INTO schedule VALUES '1000', '1150', 'friday',
'1812134', 'TQ 1001');

```

Task 6

```

SELECT * FROM student WHERE email='ahmad@gmail.com' AND password='1234';
SELECT matricno FROM student WHERE email='ahmad@gmail.com' AND password='1234';
INSERT INTO student VALUES ('1123444', 'yusi', 'yusi@gmail.com', '7788', 'kemns');
INSERT INTO student VALUES ('2478888', 'ahma', 'ahma@gmail.com', '1234', 'kict');
UPDATE student SET studentname='aliy',
email='ali@yahoo.com', password='9999', kuliyyah='kenms'
WHERE matricno='1234567';
DELETE FROM student WHERE matricno='1621111';

```

```

SELECT * FROM place WHERE placeid='2';
SELECT placelevel, placeblock FROM student WHERE placename='lab 6';
INSERT INTO place VALUES ('50', 'lab 20', 5, 'c');
INSERT INTO place VALUES ('45', 'lab 30', 3, 'd');
UPDATE place SET placename='lab 12', placeblock='b', placelevel=2
WHERE placeid='4';
DELETE FROM place WHERE placeid='10';

```

```

SELECT * FROM subject WHERE coursecode='CSC 1100';

```

```

SELECT subjectname FROM subject WHERE coursecode='INFO 1500';
INSERT INTO subject VALUES('CSC 1100', 'element of programming 2', 3, '2');
INSERT INTO subject VALUES('CSC 1200', 'object oriented programming 2', 3, '1');
UPDATE subject SET subjectname='data structures',
placeid='60' WHERE coursecode='INFO 1500';
DELETE FROM subject WHERE coursecode='INFOM 1500';

```

```

SELECT * FROM schedule WHERE matricno='1812129';
SELECT starttime, endtime, day FROM schedule WHERE matricno='1812133';
INSERT INTO schedule VALUES('1030', '1230', 'tuesday', '1812129', 'CSC 1100');
INSERT INTO schedule VALUES('1400', '1520', 'wednesday', '1812131', 'CSC 1100');
UPDATE schedule SET starttime='1145', endtime='1300',
day='sunday', coursecode='INFO 1500'
WHERE matricno='1234567';
DELETE FROM schedule WHERE matricno='1621111';

```

Task 7

Procedure 1: get student details from matric no:

```

CREATE OR REPLACE PROCEDURE getStudentDetails
(matric IN student.matricno%TYPE)
AS
name VARCHAR2(20);
email VARCHAR2(20);
kulliyyah VARCHAR2(20);
BEGIN
SELECT studentname, email, kulliyyah
INTO name, email, kulliyyah
FROM student
WHERE matricno = matric;

DBMS_OUTPUT.put_line('Student details : ' || name || email || kulliyyah);
END getStudentDetails ;
/

```

```

ACCEPT s_matric PROMPT 'Enter the matric no: '
BEGIN
getStudentDetails('&s_matric');
END;
/

```

Procedure 2: get subject name from given course code:

```
CREATE OR REPLACE PROCEDURE getSubjectName
(code IN subject.coursecode%TYPE)
AS
subname VARCHAR2(20);
BEGIN
SELECT subjectname
INTO subname
FROM subject
WHERE coursecode = code;
DBMS_OUTPUT.put_line('Subject name : ' || subname);
END getSubjectName ;
/
```

```
ACCEPT course_code PROMPT 'Enter the course code: '
BEGIN
getSubjectName('&course_code');
END;
/
```

Task 8

Function 1: calculate total credit hours of a student:

```
CREATE OR REPLACE FUNCTION calcCreditHour
(matric IN student.matricno%TYPE)
RETURN number
IS
totalch number;
BEGIN
SELECT sum(CREDITHOUR)
INTO totalch
FROM subject
WHERE COURSECODE IN(
SELECT DISTINCT COURSECODE FROM SCHEDULE
WHERE MATRICNO=matric);
RETURN(totalch);
END calcCreditHour;
/
```

```
ACCEPT s_matric PROMPT 'Enter the matric no: '
```

```

DECLARE
total_ch NUMBER;
BEGIN
total_ch := calcCreditHour('&s_matric');
DBMS_OUTPUT.put_line('The total credit hour is ' || total_ch);
END;
/

```

Function 2: Get the total number of students for a given subject:

```

CREATE OR REPLACE FUNCTION getStudentCountFromSubj
(code IN VARCHAR2)
RETURN NUMBER
IS
totalstudent NUMBER;
BEGIN
SELECT COUNT(DISTINCT matricno)
INTO totalstudent
FROM schedule
WHERE coursecode=code;
RETURN(totalstudent);
END getStudentCountFromSubj;
/

```

```

ACCEPT course_code PROMPT 'Enter the course code: '
DECLARE
vcoursecode subject.coursecode%TYPE;
total NUMBER;
BEGIN
total := getStudentCountFromSubj('&course_code');
DBMS_OUTPUT.put_line('total student taking ' || vcoursecode || ' are ' || total);
END;
/

```

Task 9

https://github.com/ciciZamri/database_schedule