

SIT103 Database

Tutorial Exercise 3 Answers

EXERCISE A:

```
SELECT *
FROM STUDENT_COURSE
WHERE COURSE_CODE = 'BI943';
```

EXERCISE B:

```
SELECT COURSE_PROGRAMME, COUNT(*)
FROM STUDENT_COURSE
WHERE COURSE_CODE = 'BI943'
GROUP BY COURSE_PROGRAMME;
```

EXERCISE C:

```
SELECT MIN(POSTCODE), MAX(POSTCODE)
FROM STUDENT;
```

EXERCISE D:

```
SELECT COURSE_CODE, COUNT(*)
FROM STUDENT_COURSE
GROUP BY COURSE_CODE
HAVING COUNT(*) = 2;
```

EXERCISE E:

```
SELECT PROGRAMME_CODE, COUNT(*)
FROM STUDENT
GROUP BY PROGRAMME_CODE;
```

EXERCISE F:

```
SELECT SEX, COUNT(*)
FROM STUDENT
WHERE PROGRAMME_CODE LIKE '165%'
GROUP BY SEX;
```

EXERCISE G:

```
SELECT FLOOR((SYSDATE - DOB)/365.25)
FROM STUDENT
WHERE PROGRAMME_CODE = '165000';
```

EXERCISE H:

```
SELECT FLOOR(AVG((SYSDATE - DOB)/365.25))
FROM STUDENT
WHERE PROGRAMME_CODE = '165000';
```

EXERCISE I:

```
SELECT *
FROM COURSE
WHERE COURSE_NAME LIKE '%PROJECT%'
AND DEPT_NO BETWEEN 120 AND 125;
```