



1-Write an SQL statement to find department_code and member_type of the students who have issued (borrowed) books on '2021-08-02'.

```
select students.department_code, members.member_type from members, students where members.roll_no=students.roll_no and members.member_no in (select member_no from book_issue where doi='2021-08-02')
```

2-Write an SQL statement to find the book titles and the number of copies of the books which has the word 'Management' in their title.

```
select title, count(accession_no) from book_catalogue, book_copies where title like '%Management%' and book_catalogue.ISBN_no=book_copies.ISBN_no group by book_catalogue.title
```

3-Write a SQL statement to find the unique book titles which are issued to 'PG' students but not to 'UG' students.

```
select distinct title from book_catalogue where ISBN_no in (select ISBN_no from book_copies where accession_no in (select accession_no from book_issue where member_no in (select member_no from members where member_type='PG')))) except (select distinct title from book_catalogue where ISBN_no in (select ISBN_no from book_copies where accession_no in (select accession_no from book_issue where member_no in (select member_no from members where member_type='UG'))))
```

4-Write a SQL statement to find the names of faculty (faculty_fname, faculty_lname) who did not issue any book.

```
select faculty_fname, faculty_lname from faculty except (select faculty_fname, faculty_lname from faculty where id in (select id from members where member_no in (select member_no from book_issue group by member_no having count(*)>=1)))
```

5-Write an SQL statement to find the number of book-titles issued on 11th August 2021.

```
select count(title) from book_catalogue where ISBN_no in (select ISBN_no from book_copies where accession_no in (select accession_no from book_issue where doi='2021-08-11'))
```

6-Write an SQL statement to find the first name, last name of the faculty of the department having department code as 'ME' and who have issued at least one book, such that there are no duplicate first-name-last-name pairs.

```
select distinct faculty_fname, faculty_lname from faculty where department_code='ME' and id in (select id from members where member_no in (select member_no from book_issue group by member_no having count(*)>=1))
```