**Course Code: IS212 Course Name: Databases**

**2nd Year**

**Faculty of Computer and Information**

**Assiut University**

**June 2021 Sheet #5**

***Prof. Dr. Taysir Hassan***

**A- Consider the following relations:**

**Student (ssn, name, address, major)**

**Course (code, title)**

**Registered (ssn, code)**

1. SSNs of students who are registered for ‘Database Systems’ or ‘Analysis of Algorithms’.
2. List the codes of courses for which no student is registered

3. The titles of courses for which no student is registered.

4. SSNs of students who are registered for both ‘Database Systems’ and ‘Analysis of Algorithms’.

5. List of courses in which all students are registered.

6. List of courses in which all ‘ECMP’ major students are registered.

**B- Consider the relation schemas as follows.**

**Works (person name, company name, salary);**

**Lives (person name, street, city);**

**located in (company name, city);**

**managers (person name, manager name);manager name is person name.**

1. Find the names of the persons who do not work for company ’FBC’.
2. Find the persons whose salaries are more than the salary of everybody who work for company ’SBC’.

3- Find the names of the companies that is located in every city where company ’SBC’ is located in.