

Information Systems Analysis & Design (M8748)

Tutorial 18

1. Give one example each of a persistent and a transient object.
2. Explain the difference between different types of file organization and file access.
3. Of the different kinds of record type listed in Section 18.3.1 suggest which would be most appropriate for storing complex nested objects. Explain the reasons for your choice.
4. Outline the advantages and disadvantages of using a database management system over developing an application using files.
5. What is the key difference between a relational DBMS and an object DBMS?
6. List in your own words the three steps used in going from an unnormalized relation to a relation in third normal form.
7. What are the three ways of mapping the classes in an inheritance hierarchy to tables?
8. What is meant by OML and ODL?
9. What is the difference between ODBC and CORBA as ways of connecting to databases?
10. Explain what is meant by (i) a broker and (ii) a proxy.