Below is a small database showing the courses offered by a city's recreational department:

Day	Time	Department	Course Name	Instructor
Monday	2PM	Swimming	Beginning Swim	Jonah Fish
Monday	3PM	Swimming	Inetermediate Swim	Jonah Fish
Monday	3PM	Swimming	Advanced Swim	Arabel Finn
Tuesday	3PM	Arts	Basket Weaving	Nancy Reed
Thursday	3PM	Arts	Basket Weaving	Nancy Reed
Wednesday	3PM	Arts	Ceramics I	Sandy Potts
Wednesday	4PM	Arts	Ceramics II	Sandy Potts
Thursday	4PM	Arts	Ceramics I	Ingrid Clay
Friday	2PM	Swimming	Beginning Swim	Arabel Finn
Friday	3PM	Swimming	Intermediate Swim	Arabel Finn

1. Is (Course Name, Instructor) a key for the database?

2. What are the results of the query SELECT[Time="2PM" $\wedge$ Department="Swimming"]?

3. What are the results of the query SELECT[Course Name="Beginning Swim"] followed by the query PROJECT[Day, Time] applied to the results of the first query?

4. What series of queries should be performed if you wanted to know on what days Arabel Finn teaches?

5. What series of queries should be performed if you wanted to know what swimming classes are offered on Friday?