

Practice Exam Partial Solution

Part 1: Database

1. **SELECT** name
FROM Books
WHERE author = "J.K. Rowling"
2. **SELECT** library
FROM Belong
WHERE book = "Harry Potter"
AND year = 2558
3. **SELECT** library
FROM Visit, Students
WHERE Visit.studentid = Students.studentid (Join Condition)
AND major = "Potions"
4. **SELECT** firstname, lastname
FROM Books, Like, Students
WHERE Books.name = Like.book (Join Condition)
AND Students.studentid = Like.studentid (Join Condition)
AND category = "Novel"
5. **SELECT** book
FROM Books, Belong, Libraries
WHERE Books.name = Belong.book (Join Condition)
AND Libraries.name = Belong.library (Join Condition)
AND Books.year < Libraries.year
6. **SELECT DISTINCT**(Belong.library)
FROM Belong, Visit, Like
WHERE Belong.library = Visit.library (Join Condition)
AND Visit.studentid = Like.studentid (Join Condition)
AND Like.book = Belong.book (Join Condition)
7. **SELECT** book
FROM Belong, Visit, Students
WHERE Belong.library = Visit.library (Join Condition)
AND Visit.studentid = Students.studentid (Join Condition)
AND Belong.library = "Gryffindor"

```

AND firstname = "Hermione" AND lastname = "Granger"
AND Visit.year < Belong.year
8. SELECT library, COUNT(book)
FROM Belong, Books
WHERE book = name (Join Condition)
AND Books.year >= 2550 AND Books.year <= 2555
GROUP BY library

```

Part 2: Web Design

1. Refer to Group Project
2. Draw interface (no need to write code)

Part 3: Security

1. LEC12 Page 26 - 27
2. L + 35 = K
O + 22 = A
V + 34 = T
E + 0 = E
P + 3 = S
H + 12 = T
P + 21 = A
5 + 24 = T

Part 4: HTML

1. <form>

```

Username : <input type=text value=test><br>
Password : <input type=password value=test><br>
Gender : <input type=radio> Male <input type=radio> Female<br>
<b>(เลือกได้คำตอบเดียว)</b><br>

<input type=submit value=Register>
</form>

```
2. Try it yourself