Question 2:

Database: MariaDB

SQL:

SELECT p.ID AS POND\_ID, COUNT(c.D\_ID) AS HAPPY\_DUCKS FROM ponds p

LEFT JOIN

(SELECT p.ID AS P\_ID, d.ID AS D\_ID FROM ducks d

JOIN species s ON d.SPECIES\_ID = s.ID

JOIN ponds p ON d.POND\_ID = p.ID

WHERE (s.TEMP\_PREFERENCES = '+' AND p.TEMPERATURE >= s.TEMP\_LIMIT)

OR (s.TEMP\_PREFERENCES = '-' AND p.TEMPERATURE <= s.TEMP\_LIMIT)) AS c ON c.P\_ID = p.ID

GROUP BY p.ID

ORDER BY p.ID

Question 3:

Hong Leong Bank EPP (Enterprise Payment Platform) Project that live on year 2014, cater modules like IBG, RENTAS, SWIFT, BULK, Back Office Administration(Web), Reports, Batch and with involvement of over 30 staffs. Project delivered on time and still in production currently.

Module involved : SWIFT

Diagram: SWIFT Module

