**Mysqli Skill Test**

\* Please import the test.sql file to your phpMyAdmin to complete below test.

\* Please send Mysqli skill test file and database file to HR once you completed.

\* Please paste your MySqli code inside the Answer field.

1. Please display all **active** books from “db\_book” table and order by ascending.

Answer : **SELECT \* FROM `db\_book` WHERE `book\_status`=1 ORDER BY `book\_name` ASC**

1. Please display all **active** books and **book’s available date** in June 2020 from “db\_book” table.

Answer : **SELECT \* FROM `db\_book` WHERE `book\_status`=1 && `book\_available\_date`>=20200601 && `book\_available\_date`<=20200630**

1. Please display any two **active** books and **book’s price** below $10 from “db\_book” table.

Answer : **SELECT \* FROM `db\_book` WHERE `book\_status`=1 &`book\_price`<10 LIMIT 2**

1. A consumer would like to borrow a book “Doremon” start from **25 June 2020 to 30 June 2020** , please insert a transaction record into “db\_transaction” table .

Answer : **INSERT INTO `db\_transaction` (`transaction\_id`, `transaction\_book\_id`, `transaction\_firstname`, `transaction\_lastname`, `transaction\_borrow\_date`, `transaction\_return\_date`, `transaction\_borrow\_totaldays`, `transaction\_borrow\_transaction\_totalprice`) VALUES (NULL, '2', 'Tine', 'Salangsang', '2020-06-25', '2020-06-30', '5', 39)**

1. A consumer would like to borrow two books “Doremon” and “Super Mario” start from **10 June 2020 to 26 June 2020** , please insert a transaction record into “db\_transaction” table .

Answer :

**INSERT INTO `db\_transaction` (`transaction\_id`, `transaction\_book\_id`, `transaction\_firstname`, `transaction\_lastname`, `transaction\_borrow\_date`, `transaction\_return\_date`, `transaction\_borrow\_totaldays`, `transaction\_borrow\_transaction\_totalprice`) VALUES (NULL, '2', 'Tine', 'Salangsang', '2020-06-10', '2020-06-26', '16', '124.80'), (NULL, '3', 'Tine', 'Salangsang', '2020-06-10', '2020-06-26', '16', '253.6')**

1. Please display **total record count**, **total price** in June per books , do remember **Join** “db\_book” table to display book’s name

Answer :

**SELECT db\_book.book\_name as 'Book Name', db\_transaction.transaction\_book\_id as 'Book ID', SUM(`transaction\_borrow\_transaction\_totalprice`) as 'Total Price', COUNT(`transaction\_book\_id`) as 'Total Record'**

**FROM db\_transaction**

**INNER JOIN db\_book**

**ON db\_transaction.transaction\_book\_id = db\_book.book\_id**

**WHERE db\_transaction.transaction\_borrow\_date >= 20200602 && db\_transaction.transaction\_borrow\_date <= 20200630**

**GROUP BY db\_book.book\_name, db\_transaction.transaction\_book\_id**

1. Please combine **transaction\_firstname** and **transaction\_lastname** as “Name” from “db\_transaction” table and **transaction\_borrow\_totaldays** <=10 days

Answer :

**SELECT CONCAT(`transaction\_firstname`, ' ', `transaction\_lastname`) AS 'Name', `transaction\_borrow\_totaldays` as 'Borrow days' FROM `db\_transaction` WHERE `transaction\_borrow\_totaldays`<=10**