

PL/SQL ASSIGNMENT

1. Procedure to fetch all books that are "IN STOCK" and price < given value

DELIMITER \$\$

CREATE PROCEDURE proc_fetch_book_under_price(IN p_price Double)

BEGIN

select * from Book WHERE status ='IN STOCK' AND price < p_price;

END;

```
mysql> call proc_fetch_book_under_price(350);
+-----+-----+-----+-----+-----+-----+-----+-----+
| id | title          | price | author   | publication_house | category | book_count | status |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 4 | Sports World   | 300   | Maxwell Joe | McGraw Hill       | SPORTS   | 7          | IN STOCK |
| 5 | Comedy Central | 150   | Sarah Lee  | DreamFolks        | COMEDY   | 3          | IN STOCK |
+-----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.04 sec)
```

2. Procedure to delete books from a given publication_house

DELIMITER \$\$

CREATE PROCEDURE proc_delete_by_publication(IN P_publication_house varchar(255))

BEGIN

DELETE FROM Book where publication_house = p_publication_house;

END;

```
mysql> select * from book;
+-----+-----+-----+-----+-----+-----+-----+-----+
| id | title          | price | author   | publication_house | category | book_count | status |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | The War Story  | 465.85 | John Smith | McGraw Hill       | WAR      | 10         | IN STOCK |
| 2 | Funny Times    | 200    | Amy Bell  | DreamFolks        | COMEDY   | 5          | OUT_OF_STOCK |
| 4 | Sports World   | 300    | Maxwell Joe | McGraw Hill       | SPORTS   | 7          | IN STOCK |
| 5 | Comedy Central | 150    | Sarah Lee  | DreamFolks        | COMEDY   | 3          | IN STOCK |
| 7 | Fiction Land   | 450    | Liam Ray  | Warner Bros       | FICTION  | 12         | IN STOCK |
| 8 | Battle Tales   | 600    | Dan Brown | Warner Bros       | WAR      | 8          | OUT_OF_STOCK |
+-----+-----+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql> call proc_delete_by_publication('Warner Bros');
Query OK, 2 rows affected (0.04 sec)

mysql> select * from book;
+-----+-----+-----+-----+-----+-----+-----+-----+
| id | title          | price | author   | publication_house | category | book_count | status |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | The War Story  | 465.85 | John Smith | McGraw Hill       | WAR      | 10         | IN STOCK |
| 2 | Funny Times    | 200    | Amy Bell  | DreamFolks        | COMEDY   | 5          | OUT_OF_STOCK |
| 4 | Sports World   | 300    | Maxwell Joe | McGraw Hill       | SPORTS   | 7          | IN STOCK |
| 5 | Comedy Central | 150    | Sarah Lee  | DreamFolks        | COMEDY   | 3          | IN STOCK |
+-----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

3. Procedure to update price by % based on category

DELIMITER \$\$

CREATE PROCEDURE proc_update_price(IN p_percent Double, IN p_category varchar(255))

BEGIN

update Book

set price =price + (price * p_percent /100)

where category =p_category;

END;

```
mysql> select * from book;
+----+-----+-----+-----+-----+-----+-----+-----+
| id | title       | price | author   | publication_house | category | book_count | status |
+----+-----+-----+-----+-----+-----+-----+-----+
| 1  | The War Story | 423.5 | John Smith | McGraw Hill      | WAR      | 10         | IN STOCK |
| 2  | Funny Times   | 200   | Amy Bell  | DreamFolks       | COMEDY   | 5          | OUT_OF_STOCK |
| 4  | Sports World  | 300   | Maxwell Joe | McGraw Hill      | SPORTS   | 7          | IN STOCK |
| 5  | Comedy Central | 150   | Sarah Lee | DreamFolks       | COMEDY   | 3          | IN STOCK |
+----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> call proc_update_price(10,'WAR');
Query OK, 1 row affected (0.04 sec)

mysql> select * from book;
+----+-----+-----+-----+-----+-----+-----+-----+
| id | title       | price | author   | publication_house | category | book_count | status |
+----+-----+-----+-----+-----+-----+-----+-----+
| 1  | The War Story | 465.85 | John Smith | McGraw Hill      | WAR      | 10         | IN STOCK |
| 2  | Funny Times   | 200   | Amy Bell  | DreamFolks       | COMEDY   | 5          | OUT_OF_STOCK |
| 4  | Sports World  | 300   | Maxwell Joe | McGraw Hill      | SPORTS   | 7          | IN STOCK |
| 5  | Comedy Central | 150   | Sarah Lee | DreamFolks       | COMEDY   | 3          | IN STOCK |
+----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```