

1. Display Publisher Information

Ex. 1.

Create a library table with attributes book id, author_name, publisher, price and edition. Write PL/SQL code block to accept the publisher's name and count number of books under that publisher and display it. Also display the publisher with maximum publication.

```
-----

create table Library

(
Book_Id number(6) not null,
Author_Name varchar2(100) not null,
Publisher varchar2(50) not null,
Price number(6,2),
edition varchar2(10)
);
-----

insert into Library values (81,'Raman', 'ABC Publ', 350, 1);
insert into Library values(72, 'Raghav','XYZ Publ',900,1);
insert into Library values(62,'Raghav','PQR Publ',850,2);
insert into Library values(94,'Raman','LMN Publ',750,3);
insert into Library values(62,'Raghav','JKL Publ',850,2);
insert into Library values(94,'Hari','LMN Publ',1000,2);
-----

DECLARE

    v_book_cnt    NUMBER(6);

    v_pub_name    VARCHAR2(20);

    Enter_Publisher VARCHAR2(50);
```

```
BEGIN
```

```
Enter_Publisher :=Enter_Publisher;
```

```
--Query to display the Total Books for a given publisher
```

```
SELECT COUNT(book_id) INTO v_book_cnt FROM Library WHERE Publisher =  
:Enter_Publisher;
```

```
DBMS_OUTPUT.PUT_LINE('Number of books under ' || :Enter_Publisher || '  
are: ' || v_book_cnt);
```

```
--Query to display the Publisher with maximum publications
```

```
WITH q1 AS (
```

```
SELECT COUNT(book_id) cnt, Publisher FROM Library GROUP BY  
Publisher
```

```
)
```

```
SELECT cnt, Publisher INTO v_book_cnt, v_pub_name FROM q1 WHERE cnt =  
(SELECT MAX(cnt) FROM q1);
```

```
DBMS_OUTPUT.PUT_LINE('Maximum publications are under ' || v_pub_name  
|| '. Number of publications: ' || v_book_cnt);
```

```
EXCEPTION
```

```
WHEN OTHERS THEN
```

```
RAISE;
```

```
END;
```

```
/
```

```
-----
```

Output:

Number of books under XYZ Publ are: 1

Maximun publications are under LMN Publ. number of publications: 2