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## Department of Information Technology

**SAP ID: 600032200045**

**Roll no. I011**

**CLASS: IT1**

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**BATCH: II-1**

**S.Y. BTech (IT)**

**SUB: DBMS LAB**

**Experiment No: 5**

**Study of Basic SQL commands**

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### -----EXERCISE-----

**Implement the SQL statements for the following questions**

1. Find the lname, fname who have been issued movies.

**Ans:** select lname, fname from CUST where cust\_id

IN (select cust\_id from invoice);

**OUTPUT:**

LNAME	FNAME
Border	Allan
Shields	Tina
Kumar	Ravi
Rai	Sunita
Smith	James
-	Sachin



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2. Find out the movie number which has been issued to Allan.

**Ans:** select movie\_no from invoice where cust\_id =(select cust\_id from cust where fname like 'Allan');

**OUTPUT:**

MOVIE_NO
4
9

3. Display all the movie title whose price is same as the price of movie 'The Firm'

**Ans:** select title from movie where price=(select price from movie where title like 'The Firm');

**OUTPUT:**

TITLE
The Firm
The Fugitive

4. Find the customer name and area with invoice number 'I10'.

**Ans:** select fname,lname,area from cust where cust\_id IN (select cust\_id from invoice where inv\_no='I10');

**OUTPUT:**

FNAME	LNAME	AREA
James	Smith	WA



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5. Find the names and movie numbers of all the customers who have been issued a movie.

**Ans:** select movie\_no, (select title from movie where I.movie\_no=movie\_no) as title,  
(select fname||' '||lname from  
cust where I.cust\_id=cust\_id)  
as  
name from invoice I;

#### OUTPUT:

MOVIE_NO	TITLE	NAME
4	Home Alone	Allan Border
3	Pretty Woman	Tina Shields
1	Carry On doctor	Tina Shields
6	Coma	Ravi Kumar
7	Dracula	Sunita Rai
2	The Firm	James Smith
9	-	Sachin
9	-	Allan Border
5	The Fugitive	Ravi Kumar
8	Quick Change	James Smith

6. Find out which customers have been issued movie number 9.

**Ans:** select \* from cust where cust\_id IN(select cust\_id from invoice where movie\_no=9);

#### OUTPUT:

CUST_ID	LNAME	FNAME	AREA	PHONE_NO	AGE
A05	-	Sachin	DR	253489	-
A01	Border	Allan	SA	723622	-



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7. Find the name of the movie issued to Tina and Allan.

**Ans:** select title

from movie where movie\_no IN (select movie\_no from invoice

where cust\_id IN (select cust\_id from cust

where fname IN ('Tina','Allan')));

**OUTPUT:**

TITLE
Home Alone
Pretty Woman
Carry On doctor

8. List the movie number, moviename issued to all the customers.

**Ans:** select movie\_no, title from movie where

movie\_no IN (select movie\_no

from invoice

where cust\_id IN (select cust\_id from cust ));

**OUTPUT:**

MOVIE_NO	TITLE
4	Home Alone
3	Pretty Woman
1	Carry On doctor
6	Coma
7	Dracula
2	The Firm
5	The Fugitive
8	Quick Change



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9. Find the customer names and phone numbers who have been issued movies before 01-aug-95.

**Ans:** select fname,lname,phone\_no from cust where cust\_id IN (select cust\_id from invoice where issue\_date < '08-01-95');

#### OUTPUT:

FNAME	LNAME	PHONE_NO
Allan	Border	723622
Ravi	Kumar	545621
Sunita	Rai	983724

10. Find the type and movie number of movie issued to cust\_id 'A01' and 'A02'.

**Ans:** select type,movie\_no from movie where movie\_no IN (select movie\_no from invoice where cust\_id in ('A01','A02'));

#### OUTPUT:

TYPE	MOVIE_NO
Comedy	4
Romance	3
Comedy	1