

INTERNATIONAL INDIAN SCHOOL, DAMMAM

INFORMATICS PRACTICES

WORKSHEET for CLASS: XI

I. Write the SQL command from (1) to (15) on the basis of the table BANK:

Table: BANK

CNo	Cname	Bname	Amount	Dateofopen	T_Transactions
1	Diwaker	Bank of Baroda	15000	12-Jan-98	10
2	Rajiv	State Bank	25000	01-Feb-97	09
3	Smith	Oriental Bank	17000	15-Jun-99	05
4	Arpit	Standard Chartered	38000	10-Feb-99	11
5	Sunny	State Bank	47000	06-Feb-98	15
6	Sumit	UCO Bank	34000	10-Aug-98	05
7	Rajiv	Bank of Baroda	56000	02-Jan-99	12
8	Rohit	Oriental Bank	22000	04-Apr-99	08
9	Anand	UCO Bank	34500	05-Jan-98	11
10	Vidhi	CITI Bank	26700	14-Oct-96	15

1. Display data for all customers whose transaction is between 8 and 11.
2. Display data for all customers sorted by their date of open.
3. List the distinct names of banks.
4. To display the name, bank name and amount in descending order of amount.
5. To add a new record with following details: 11, 'Ravi', 'Corporation Bank', 27000, '12-Feb-99', 03.
6. Remove the above created row.
7. To display the structure of the table.
8. To display the content of the table.
9. To display the distinct transactions.
10. To display the name, bank name, amount and transactions for those customers whose name ends with 'T'.
11. Display the customer name, bank name and amount where the date of open is before February 20, 1998 or the no of transaction is 15.
12. Display the customer name, bank and date of open whose bank is UCO bank and no. of transactions is 5.
13. Display all the details of the customer whose bank is not UCO bank.
14. Display all the name of the customer in upper case.
15. Display the first 3 character of customers, bank and amount whose amount is less than 34000 and date of open is after 25-Jan-97.

II. Write the SQL command from (1) to (15) on the basis of the table SUPPLIER

Table: SUPPLIER

SNo	Pname	Sname	Qty	UnitPrice	City
1	Motherboard	Intel	15	7000	Delhi
2	Keyboard	TVSE	25	1000	Mumbai
3	Mouse	Logistech	17	500	Mumbai
4	Soundcard	Samsung	38	600	Delhi
5	Speaker	Samsung	47	600	Jaipur
6	Monitor		23	3000	Calcutta
7	CD_ROM	Philip	10	2800	Madras
8	Printer	Creative	12	7900	Delhi
9	HUB	HP	23	500	Calcutta

1. Display the details of all the products whose quantity is between 17 and 37.
2. Display the name of product, name of supplier and price sorted by their amount.
3. Find the product that do not have supplier.
4. Display the product name, supplier name, quantity and price whose product name starts with 'M'.
5. Display the product name, supplier name, price and City whose price is more than 3000.
6. Display the suppliers which are in Delhi, Mumbai and Madras.
7. Display the product name and its total price where totalprice = qty*unitprice.
8. Add a column "stock" of data type Number(4).
9. To populate the column stock with 20 for products whose corresponding quantity is more than 17.
10. To set the field unit price of the products to 700 corresponding to product name "speaker".
11. To remove the rows whose unit price is between 500 and 700.
12. Display the name of products, supplier and price with price less than 3800 and sorted by price.
13. List the entire product and price which is charged more than 6000 and their suppliers are from Delhi.
14. Display the products and supplier whose supplier is either Samsung or Philip.
15. Display name of product, name of supplier(in uppercase) and unit price sorted by price in ascending and by name of product in descending.

III. Answer the following:

1. Explain the function UPPER(), RTRIM(), SUBSTR(), POWER(), ROUND()
2. Explain the keys: Primary key, candidate key, Alternate key
3. Differentiate between UPDATE and DELETE command.