



MCKV Institute of Engineering
243 G. T. Road (N), Liluah, Howrah – 711204

Subject: **Database Management System Lab**
Stream: CSE

Code: **PC - CS692**
Credit: 2

Assignment-6

Table: Client_master

Column_Name	Data type	Size	Attributes
Client_no	Varchar2	8	Primary Key
Name	Varchar2	20	Not Null
Address1	Varchar2	20	Not Null
Address2	Varchar2	20	
City	Varchar2	15	
State	Varchar2	15	
Pincode	Varchar2	8	
Bal_due	Number	8,3	

1. Create a view vw_client_master using Client_no, Name, Address1 and Bal_due
 - a. Insert at least 3 records to vw_client_master.
 - b. Update a record to vw_client_master.
 - c. Delete a record from vw_client_master.

And check that the above operation if the base table is affected or not.

2. Create a view Vw_sales_det using Client_no, Order_no, Order_date, Product_no, Qty_ordered, and order_status for all order which have already marked as 'Backorder' .(Using the tables sales_order, sales_order_details).
 - a. Insert a record to vw_sales_det.
 - b. Update the client_no for a particular order_no.
 - c. Delete a record.
 - d. Remove the views from database.

Assignment-7

Write PL/SQL code Blocks for the following.

1. Write a PL/SQL code for finding factorial of a given number
2. Write a PL/SQL code for calculating finding the sum of N numbers.
3. Write a PL/SQL code for finds a given year is leap year or not.
4. Write a PL/SQL code for finding maximum of three numbers. (Input will be given by the user).
5. Write a PL/SQL code block to calculate the area of a circle for a value of radius varying from 6 to 10. Store the radius and corresponding values of calculated area in an empty table named Areas, Consisting of two columns Radius and Area.
6. Write a PL/SQL code block that will accept a client_no from the user and adds the amount of Rs. 1000 to bal_due column, has a minimum balance of Rs. 6000. The process is fire on client_master.

Assignment-8

1. a) Create a table whose structure will be as follows:

Table Name: Prime_Entry

Column Name	Data Type	Attributes
Num_id	Number(3)	Primary Key
Prime_num	Number(3)	Not Null

b) Write a PL/SQL block of code that will take a number from user and test whether the number is prime or not. If the number is prime, then enter into above table by generating NUMID automatically.

c) Now add a checking for same prime number entry. It will show - 'Number already exists in database' for same prime number entry. Write a function to test whether given number exist or not.

2. Create the following table:

Table Name: Acc_details

Column_Name	Data type	Size	Attributes
Acc_no	Varchar2	8	Primary Key
Name	Varchar2	20	Not Null
Address	Varchar2	20	Not Null
DOB	Date		Not Null
Sex	Char	1	Not Null, Values ('M', 'F')
Contact_no	Number	10	Not Null
Last_trans_date	Date		Not Null
Total_amt	Number	12,4	Not Null
Acc_status	Char	1	Not Null, Values ('A', 'I')

Table Name: Transactions_Acc

Column_Name	Data type	Size	Attributes
Transaction_id	Number	8	Primary Key
Acc_no	Number	8	References Acc_details.Acc_no
Deposit_amt	Number	12,4	
Withdraw_amt	Number	12,4	
Mode_trans	Char	5	Not Null
Cheque_no	Number	6	Default 0
Trans_date	Date		Not Null

When a specific account will be deleted then all the transaction details from Transactions_acc will be deleted for that account number.