Database Management Systems (DB212)

Tutorial 9

1. Consider the following table structure:

MEMBER

Column name	Data Type	Length
MEMID	NUMBER	5
NAME	CHARACTER	15
REGISTERDATE	DATE	
EXPIRYDATE	DATE	

VIDEO

Column name	Data Type	Length
VIDEO_CODE	CHARACTER	5
DESCRIPTION	CHARACTER	15
BALANCE_QTY	NUMBER	5

SALES

Column name	Data Type	Length
VIDEO_CODE	CHARACTER	5
MEMID	NUMBER	5
SALEDATE	DATE	
PRICE	NUMBER	8,2
QUANTITY	NUMBER	5

A. An index is created to provide rapid access to table-based data.
   (i) Write an SQL statement to create an index called MEMID_IDX on the MEMBER table for the MEMID column.
   (ii) Provide the command to remove the index MEMID_IDX.

B. Write an SQL statement to add the following record to the MEMBER table.
   MEMID: 20002
   NAME: CALLY
   REGISTERDATE: 1st October 2003
   EXPIRYDATE: One year after the register date

C. Write an SQL statement to display the total number of sales for each video code.

D. Write an SQL statement to list the video codes and balance quantity for all videos that have a balance quantity less than 5. Sort the output so that those with the least balance quantity are listed first.