

Solve following queries –

- i) Display the details of book whose order is placed having the author 'Henry Korth' and publisher 'TMG'
- ii) Find out minimum of ordered quantity, maximum of ordered quantity, total number of orders placed by each distributor.
- iii) Write a query to display number of books from each category.

Q.3 Attempt any Four.

[20]

- a) Create a stored procedure to calculate factorial of a given number. Write PL/SQL block to execute the same.
- b) Explain the types of indexes with suitable example.
- c) Differentiate between a table and a view.
- d) Explain Row Level trigger with appropriate example.
- e) Write a short note on – Hash index.
- f) What is a view? Explain the syntax of creating and altering a view. Also give suitable example of each.
- g) What are the advantages and disadvantages of stored procedure?
- h) Write a short note on – Heap File.

Q.4 Attempt any three.

[15]

- a) Explain all three levels of abstraction.
- b) Write a short note on – Aggregation.
- c) Explain the following operation with appropriate examples:
 - i) SELECT INTO
 - ii) UNION
- d) Explain following clauses with suitable example:
 - i) HAVING clause
 - ii) ORDER BY clause
 - iii) GROUP BY clause
- e) Explain Tree index with example.
- f) What do you mean by a trigger? Explain statement level trigger with suitable example.