

12-10-25

Task - 9

Backup and Recovery in Databases

Aim: To Perform backup and recovery operations for the Hotel management system Database.

Scenario: 1

Assuming a NOARCHIVELOG Database with Incremental Backup,

1. Backup Database

BACKUP DATABASE HOTELDB TO DISK: 'HOTELDB_full.bak';

2. Create Incremental Backup

BACKUP DATABASE HOTELDB TO DISK: 'HOTELDB_inc.bak' WITH DIFFERENTIAL;

3. Simulate Data Loss

(Delete or Modify some records in the Hotel table)

4. Restore Full Backup

RESTORE DATABASE HOTELDB FROM DISK: 'HOTELDB_full.bak' WITH REPLACE;

5. Apply Incremental Backup

RESTORE DATABASE HOTELDB FROM DISK: 'HOTELDB_inc.bak' WITH REPLACE;

6. ~~Recover~~ DATABASE;

RECOVER DATABASE HOTELDB;

7. Open Database

ALTER DATABASE HOTELDB SET ONLINE;

Scenario 2:

Restoring the server Parameters

1. Backup SPFILE

BACKUP SPFILE PARAMETER FILE TO FILE 'SPFILE - hotel.db';

2. Simulate Loss

(Delete or rename the original file)

3. Restore SPFILE

STARTUP MOUNT;

RESTORE SERVER PARAMETER FILE FROM FILE 'SPFILE - hotel.db';

SHUT DOWN;

STARTUP;

Scenario 3:

Recovery with a Backup Control File

1. Backup Control File

BACKUP CONTROLFILE TO FILE = 'hotel - Control bak';

2. Simulate Loss

(Delete CONTROL FILE TO FILE or Modify CONTROL FILE)

3. Restore Control File

STARTUP MOUNT;

RESTORE CONTROLFILE FROM FILE = 'hotel Control bak';

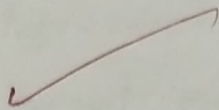
ALTER CONTROLFILE REUSE;

4. Recover Database

RECOVER DATABASE USING BACKUP CONTROL FILE;

5.) open Database

ALTER DATABASE OPEN RESETLOGS ;



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Result : Thus, the Backup and Recovery in Database using Hotel management system was successfully created.