

Task 9: Backup and Recovery in Database

Aim: To perform backup and recovery operation for the hotel management system database.

Scenario 1:

Recovering a NO ARCHIVE LOG database with increment backup:

1. Backup database:

Backup database hotel db to disk: 'Hotel db - full bak';

2. Create Increment backup:

BACKUP DATABASE HotelDB TO DISK: 'Hotel db - disk - bak'
WITH DIFFERENTIAL.

3. Simulate Data loss:

Delete or modify some records in the hotel tables.

4. Restore full backup:

RESTORE DATABASE HotelDB FROM DISK: 'HotelDB - full bak'
WITH REPLACE.

5. Apply Incremental backup:

RESTORE DATABASE HotelDB FROM DISK: 'HotelDB - disk bak'
WITH REPLACE.

6. Recover Database:

RECOVER DATABASE HotelDB;

7. Open Database:

ALTER DATABASE HotelDB SET ONLINE;

Scenario 2:

Restarting the server parameter (SPFILE)

1. BACKUP SPFILE :

BACKUP SERVER PARAMETER FILE TO FILE : 'spide_hotel.bak';

2. Simulate loss :

Delete or rename the original spfile

3. Restore SPFILE :

STARTUP MOUNT ;

RESTORE SERVER PARAMETER FILE FROM FILE = 'spide_hotel.bak';

SHUT DOWN ;

START UP ;

Scenario 3 :

Recovery with a backup control file

1. Backup control file :

BACKUP CONTROL FILE TO FILE : 'hotel-control-bak' ;

2. Simulate loss :

Delete or modify control file

3. Restore control file :

STARTUP MOUNT ;

RESTORE CONTROL FILE FROM FILE = 'hotel-control-bak' ;

ALTER CONTROL FILE REUSE ;

4. Recover Database :

RECOVER DATABASE USING BACKUP CONTROL FILE ;

5. Open database :

ALTER DATABASE OPEN

HOTEL TECH CONTROL FILE ;	
NO.	19
PERFORMANCE (5)	5
ANALYSIS (5)	5
RESERVATIONS	5
VIVA VOCE (5)	-
RECORD (5)	15
TOTAL (20)	40
OPEN WITH DATE	

Result : Thus, the backup and recovery in database using hotel management system was successfully verified.