Date: 7/10/25   Task 9:   Date:

Backing up and recovery in database

Aim :- To performs backup and recovery operations in the database system by intezen implementing different recovery system. Perform following backup and recovery scenarious

a) Recovering a NO ARCHIVE to a database with Backup.

b) Recoverins Restarting the sieve parameters hie.

c) performing recovering with backup control file.

scenaria: Recovering a NOARCHIVE database with backups

step1 : Backup database.

Backup database (mobile phon .

   to disk = 'n: 1 DD -2 ate upto [mobile- full, NO INIT,
   NAME = "full database backup', SKIP , Rewind , noonlad
   STAS = 10 ".

step2: create incremental backup.

BACKUP DATABASE [database_name] TO DISK = ' incremental backup. bak: with differential iNOFORMAT, NOINIT, NAME = I Incremental database backup ; SKIP, REWIND, NUUN loAD,
   STAS = 10.

step3 : simulate rata loss.
← Intentionally delete or modify data

step4: Restore Database

RESOTRE DATABASE {database_name] FROM DISK = 'backup_file:bac'.

WITH REPLACE

Step5: Apply incremental Backup.

RESTORE DATABASE [database name]FROM DISK = lincrevemental_bacap .bak' WITH REPLACE

Step6 : Recover Database.

RECOVER DATABASE [database-name]

Step7 : Open Database.

ALTER DATA BASE [database._name] SET ONLINE

Scenario 2 : Restoring the server. parameter file (SPFSLE)

Step1 : Backup SPFILE

BACKUP SERVER. PARAMETER FILE TO FILE = 'spfile .bak';

Step 2 : Simulate SPFILE LOSS
 - Delete or modify SPFILE

Step3 : Restore SPFILE

STARTUP MOUNT
RESTORE SERVER. PARAMETER FILE FROM FILE = 'spfile.bak';
SHUTDOWN.
STARTUP.

Scenario 3 : performing Recovery with a backup. control file.

Step1 : Backup File
BACKUP CONTROL. FILE TO FILE = 'controlfile.bak';

Step 2 : Simulate control. file loss
 _Delete (or) modify control file.

Step 3 : Restore control file
STARUP MOUNT
RESTORE CONTROL.FILE FROM FILE = 'control.file.bak';

ALTER. CONTROL FILE REUSE :

Step4 : Recover Database.
RECOVER. DATABASE USING BACKUP CONTROLFILE :

Step5 : open database.
ALTER. DATABASE OPEN. RESETLOGS :

SQL server commands :
- BACKUP DATABASE
- RESTORE DATABASE
_.

- RECOVER DATBASE

- ALTER DATABASE

- BACKUP SERVERPARAME

Result: Thus the implementation of the Backingup and Recovery in database executed successfully.