

7/10/25 Task-9 - Backing up and recovery in Databases

Aim:- To Perform backup and recovery operation in database system by implementing different recovery systems perform following backup and recovery scenarios

Perform following backup and recovery scenarios

- Recovering a NOARCHIVELOG Database with incremental backups
- Restoring the server parameter file
- Performing recovery with a Backup control file

Scenario:-1 Recovering a NOARCHIVELOG Database with incremental Backups

Step 1:- Backup database

BACKUP DATABASE (mobile phone) To Disk = 'incremental backup.bak' with Differential, Noformat, Noinit; Name = 'incremental database backup', Skip, Rewind, Nounload, Stats=10

Step 2:- create incremental backup

BACKUP DATABASE (mobile phone) To Disk = 'backup file -file.bak' with Differential, Noformat; Noinit, Name = 'incremental database backup', Skip, Rewind, Nounload, stats=10

Step 3:- Stimulate Data loss

Delete from orders where order id = 10

step 4:- Restore Database

Restore Database [MobilePhone] from Disk =
backup: 'filebak' with Replace

step 5:- Apply incremental Backup.

Restore Database (MobilePhone) from Disk = incremental
'backup-bak' with Replace

step 6:- Recover Database

Recover Database (MobilePhone) from Disk.

step 7:- Open database

Alter Database (MobilePhone).set online

Scenario 2:- Restoring the server Parameter file (spfile)

step 1:- Backup spfile

Backup server parameter file to file = 'spfile.bak',

step 2:- stimulate spfile loss

Delete or modify spfile

step 3:- Restore spfile

startup mount;

Restore server parameter file from file
= "spfile.bak"

Shutdown

startup

Scenario 3:- Performing Recovery with a Backup control file.

step 1:- Backup control file

Backup control file to file = 'controlfile.bak'

Step 2:- stimulate control file loss

delete or modify control file-

step 3:- Restore control file

startup mount

Restore control file from file = 'control file.bak';

Alter control file Reuse;

step 4:- Recover database

Recover Database ~~as~~ Mobile Phone

from disk

step 5:- open database

Alter Database open Reset logs

SQL server commands

- Backup Database
- Restore Database
- Recover Database
- Alter Database
- Backup server parameter file
- Restore server parameter file
- Backup control file
- Restore control file

VELTECH	
EX No.	9
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	4
RECORD (5)	
TOTAL (20)	19
SIGN WITH DATE	

Result:- Thus the implementation of the ^{1st} Backing up and Recovery in database executed successfully