

Task-9 Backing up and recovery in databases

AIM :- To perform following backup and recovery scenarios.

- Recovering a NOARCHIVELOG Database with Incremental Backups.
- Restoring the Server Parameters File.
- Performing Recovery with a Backup Control File.

Scenario 1 :- Recovering a NOARCHIVELOG Database with Incremental Backups.

-- Step 1 : Backup Database

BACKUP DATABASE [database_name] TO DISK =
'backup-file-bak' WITH NOFORMAT,
NOINT, NAME = 'Full Database Backup', skip,
Rewind, Nounload, Stats = 10

-- Step 2 : Create Incremental Backup

BACKUP DATABASE [database_name] TO DISK =
'incremental-backup-bak' WITH DIFFERENTIAL,
NOFORMAT, NOINT, NAME = 'Incremental Database
Backup', skip.

-- Step 3 : Stimulate Database

-- Internally delete or modify data.

-- Step 4 : Restore Database

RESTORE DATABASE [database_name] FROM DISK =
'backup-file-bak' WITH REPLACE

-- Step 5 : Apply Incremental Backup

RESTORE DATABASE [database_name] FROM DISK =

'incremental-backup-bak' WITH REPLACE

-- Step 6: Recover Database

RECOVER DATABASE [database_name]

-- Step 7: Open Database

ALTER DATABASE [database_name] SET ONLINE

* Scenario 2: Restoring the Server Parameter File (SPFILE)

-- Step 1: Backup SPFILE

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

-- Step 2: Simulate SPFILE Loss

-- Delete or modify Control file.

* Scenario 3: Performing Recovery With a Backup Control File.

-- Step 1: Backup Control File

BACKUP CONTROLFILE TO FILE = 'controlfile.bak';

-- Step 2: Simulate Control File Loss

-- Delete or modify control file.

-- Step 3: Restore Control File
STARTUP MOUNT

-- Step 4: Recover Database
RECOVER DATABASE USING BACKUP
CONTROLFILE;

-- Step 5 : Open Database

ALTER DATABASE OPEN RESETLOGS;

SQL Server Commands :

- BACKUP DATABASE
- RESTORE DATABASE
- RECOVER DATABASE
- ALTER DATABASE
- BACKUP SERVER PARAMETER FILE
- BACKUP CONTROLFILE
- RESTORE CONTROLFILE

VEL TECH	
EX-NO.	
PERFORMANCE (5)	9
RESULT AND ANALYSIS (5)	3
VIVA VOCE (5)	5
RECORD (5)	9
TOTAL (20)	26
SIGNATURE DATE	

RESULT : Thus, the performing of backup and recovery scenarios has been executed and implemented Successfully.