

Aim :- To perform the Backup and recovery Scenarios.

- a) Recovering a NOARCHIVELOG Database with Incremental Backups.
- b) Restoring the server Parameter File.
- c) 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 = "backupfile
.bak",

WITH NOFORMAT, NOINIT, NAME = "Full Database Backup",
SKIP, REWIND, NOUNLOAD, STATS = 10

Backup DATABASE [BANKING] TO DISK = "backup_file.bak".

Step 2 :- Create Incremental Backup

BACKUP DATABASE [database_name] TO DISK = 'Incremental-
backup.bak' WITH DIFFERENTIAL, NOFORMAT, NOINIT,
NAME = 'Incremental Database Backup', SKIP, REWIND,
NOUNLOAD, STATS = 10.

Backup DATABASE [banking] TO DISK = 'Incremental-
backup.bak'.

Step 3 :- Simulate Data Loss

Intentionally ~~delete~~ or modify data.

Step 4 :- Restore Database

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

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

Step 5: Apply Incremental Backup

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

RESTORE DATABASE [Banking] FROM DISK = 'Incremental-backup.bak'

Step 6: Recover database

RECOVER DATABASE [database_name]

Step 7: Open database

ALTER DATABASE [database_name] SET ONLINE

ALTER DATABASE [Banking] 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. SPFILE

Step 3:- Restore SPFILE

STARTUP MOUNT

RESTORE SERVER PARAMETER FILE FROM FILE =

'spfile.bak';

SHUTDOWN

STARTUP.

Scenarios 3: Performing Recovery with a Backup Control File

Step 1:- Backup Control File

BACKUP CONTROLFILE TO FILE = 'Control file.bak';

Step 2:- Simulate Control File loss

Delete or modify Control file.

Step 3:- Restore Control File

STARTUP MOUNT

RESTORE CONTROLFILE FROM FILE = 'Control file.bak';

ALTER CONTROLFILE REUSE;

Step 4:- Recover Database

RECOVER DATABASE USING BACKUP CONTROLFILE;

Step 5:- Open Database

ALTER DATABASE OPEN RESETLOGS;

SQL Server commands:

- BACKUP DATABASE
- RECOVER DATABASE
- RESTORE DATABASE
- RESORT DATABASE
- ALTER DATABASE
- BACKUP SERVER PARAMETER FILE
- BACKUP CONTROL FILE
- RESTORE CONTROL FILE

VELTECH	
EX No.	9
PERFORMANCE (5)	5
RESULT AND ANALYSIS (3)	5
VIVA VOCE (3)	5
RECORD (4)	5
TOTAL (15)	15
DATE	15/10

Result:- The implementation of Backup and recovery Scenario was successfully implemented