Task-11

Backing up and recovery in database

scenario: Recovering a NaoRhivelog Database with Incremental backups

step-1:- Backup Database

Backup DATABASE [database_name] To Disk='
incremental_backup.bak' with Differential,
No Format, NOINT, NAME=' Incremental Database
Backup;' SKIP, Reward, Nounload, Stats=10

step-3:- s·timulate Data LOSS

Intentionally delete (or) modify data

Step-4:- Restore Database

Restore Database [database_name] FROM Disk =
'incemental_backup.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 1: Restoring the server parameter file

Step-1:- Backup SPFILE

BACKUP SERVER PARAMETER .file to File =>'spfile.bak'.

Step-2:- simulate spfile loss

Delete on 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

1. Backup control file

BACKUP CONTROl File To File ='controlfile-bak';

2. simulate control file loss

Delete or modify control life

3. Restore control file

STARTOP MOUNT

Restore control LIFE FROM FILE ='control file-bak'

ALTER CONTROlFILE REUSG,

4. Recover Database

Recover, DATABASE USING BACKUP controlLiFG

5. open database

ALTER DATABASE OPEN 'ResetLogs'

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

Result

    Thus the backing up and recovery in database is verified and executed successfully