Task NO? 9 Date? 07/10/25 Backing up and recovery in databases.

Almor To perform the backup and recovery scenarios.

a) Recovering a NOARCHIVELOG somboure with Incremental Backups

b) Restoring the server parameter File

a) performing Recovery with a Backup constrol File.

Scenariol: Recovering a NOARCHIVELOG Database with Incremental Backups.

Step 1: Back up Database

BACKUP DATABASE [database_name] TO DISK = "backup_file.base with MOFORMAT, NOTINIT, NAME = 'Full Database Backup',

SKIP, REWIND, MOUNLOAD, STATS = 10.

BACKUP DATABASE [BANKING] TO DISK = "backup_file.bakk"

Step 2: Create Incremental Backup

BACKUP DATABASE [database_name] TO IISK= Incremental_backup. bak' WITH DIFFERENTIAL, NOFORMAT, NONINIT,
NAME= Incremental Database Backup', SKIP, REWIND,

NOUNLOAD, STATS=10

BACKUP DATABASE[Banking] TO DISK = Incremental_backup.ba

Steps: Simulate Data Loss

Intentionally delete or modify data

Step 4; Restore Database

RESTORF 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 [doutabase_name] FROM DISK=

'Incremental_backup.bak' WITH REPLACE

RESTORE DATABASE (Banking) FROM DISK= Incremental-backup.bak'

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Step 6: Recover Database
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RECOVER DATABASE [database_name] RECOVER DATABASE [Banking]

Step 7; open Database

ALTER DATABASE [database_name] SET ONLINE. ALTER DATABASE (Banking) SET ONLINE

Scenario 2: Restoring the server parameter File (SPFILE)

Step1: Backup SPFILE

BACKUP SERVER PARAMETER FILE TO FILE = Spfile, bak;

step2: Simulate SPFILE LOSS Delete or madify control file. SPFILE.

Step3: Restore SPFILE

STARTUP MOUNT

RESTORE SERVER PARAMETER FELE FROM FILE = 'Spfile. bok';

SHUTDOWN

STARTUP

Scenerios: performing Recovering With a Backup Control File

Stepl: Backup Control File

BACKUP CONTROLFILE TO FILE = Control file bak';

Step 2: Simulate Control File LOSS

Delete or modern control File.

Steps: Restore Control File

THUOM PUTAATS

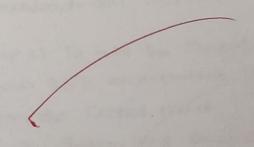
RESTORE CONTROLFILE FROM FILE= 'Controlfile, bak'; ALTER CONTROLFILE REUSE;

Step4 i Recover Database RECOVER DATABASE USING BACKUP CONTROLFILE; Step 5 : Open Database

ALTER DATABASE OPEN RESETLOGS;

SOL Server Commands:

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



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PERFORMANCE (5)	6
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	4
RECORD (5)	
TOTAL (20)	15
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Result :

The Backup and recovery an DataBases were Successfully executed.