TASK-9 Backing up and recovery in database

Aim: To Perform following backup and recovery scenarios

a) Recoving a NOARCHIVELOG database with Incremental Backups

b. Restoring the serve Parameter file

c. Performing Recovering with a Backup control file

scenario:1 Recovering a NOARCHIVE LOG database with Incremental Backups.

--- step 1 : Backup database

BACKUP DATABASE [database_name] To Disk=
'backup_file.bak' WITH NoFORMAT, NoINIT, NAME
'Full Database Backup', SKIP, REWIND, N OUNLOAD,
STATUS=10

--- step-2: create Increment Backup
BACKUP DATABASE [database_name] To Disk=
'Incremental_backup bak' WITH DIFFERENTIAL
NoFORMAT, NoINT, NAME = 'incremental database
Backup', SKIP REWIND, NDUNLOAD, STATS = 10

--- step3 simulate Data Loss

--- intentionally delete or modify data

--- step4 :- Restore database
RESTORE DATABASE [database_name] from DISK=
'backup_file bak' with REPLACE

--- step 5: Apply Incremental Backup RESTORE
DATABASE [database-nome] FROM Disk= lineremental
- backup bak' with REPLACE

step. 6 Recover database

RECOVER DATABASE [data base-) nome]

--- step 7: Open database

ALTER DATABASE [database-nome] SET ONLINE

Scenario 2: Restoring the server Parameter file
(SP FILE)

--- step 1 Backup SPFILE

Backup SERVER PARAMETER FILE TO F(2E=
SPfile back;

---- step 2: simulate SPFFILE loss

--- Delete or modify SPFILE

--- step 3 Restore SPFILE

STARTUP MOUNT

RESTORE SERVER PARAMETER FILE FROM FILE=
`SPfile bak';

SHUT DOWN
STARTUP

Scenolio: 3 : Performing Recovery with a Backup

control file.

-- step 1: Backup control file
BACKUP CONTROL FILE TO FILE :'control file bak';)
--- step 2 : simulate control file loss
--.- Delete or modify control file
--- step 3 : Restore control file
STARTUP MOUNT
RESTORE CONTROL FILE FROM FILE = controlfile bak;
ALTER CONTROL FILE REUSE;
--- step 4: Recover Data base
RECOVER DATABASE USING BACKUP CONTROLFILE
-- step 5 : open data base
ALTER DATA BASE OPEN RESETLOGS;

SQL server commands
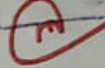- BACKUP DATA BASE

- RESTORE DATA BASE
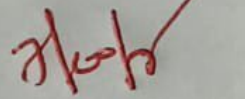
- RECOVER DATABASE

- ALTER DATABASE

- BACKUP SERVER PARAMETERS FILE

- RESTORE SERVER PARAMETER FILE

- BACKUP CONTROLFILE

- RESTORE CONTROLFILE

VEL TECH - CSE	
EX NO.	9
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	
RECORD (5)	5
TOTAL (20)	15
SIGN WITH DATE	

Result:

Thus the implementation of Backing up and recovery in database has been successfully executed