

Task :- 9

7/10/25

## BACKING UP AND RECOVERY IN DATABASE

Scenario-1: Recovering a Noarchive log Database with Incremental Backup.

Step 1:- Backup database :-

Backup database (College-slot booking) To disk =

Backup-file - bak with NoFormat, Noinit, name =

Full Database Backup', skip, rewind, no nload, stats = 10.

Step -2: Create a Incremental Backup:-

Backup Database (College-slot-Booking) To disk = Incremental

Backup, bak1 with Differential, no format, no nload.

Name = Incremental Database Backup', skip, rewind,  
no nload, stats = 10.

Step 3: simulate data loss

Intentionally delete or modify data.

Step 4: Restore Database :-

Restore Database (College slot-Booking) From disk =

'backup-file, bak1 with Replace.

Step 5: Apply Incremental Backup:-

Restore Database [College-slot-booking] from disk

= Incremental-Backup 'bak1' with Replace.

Step 6: Recover Database :-

RECOVER DATABASE (College-slot-booking)

Step 7: Open database :-

ALTER DATABASE (College-slot-booking) set online.

## Scenario - 2 : Restoring The Server parameter File :-

### Step 1: Backup sfile

Backup server parameter file to file = 'sfile.bak';

### Step 2: Simulate SPFILE loss

— Delete or modify spfile

### Step 3: Restore sfile

STARTUP MOUNT

RESTORE SERVER PARAMETER FILE FROM FILE =  
'spfile.bak';

SHUT DOWN

STARTUP.

## Scenario - 3 : Performing Recovery with backup control file

### Step 1: Backup control file

BACKUP CONTROL FILE TO FILE = 'controlfile.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 DATABASE USING BACKUP CONTROL FILE;

Step -5: open database:

ALTER DATABASE OPEN RESET LOGS;

SQL Server commands;

- Backup database
- Restore Database
- Recover database
- Alter Database
- Backup server parameter file
- Restore server parameter file
- Backup controlfile
- Restore controlfile.

VELTECH	
EX No.	9
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	4
RECORD (5)	14
TOTAL (20)	38
SIGN WITH DATE	18/10

Result: The implementation of backing up and recovery in the given database have been completed and verified successfully.