

Scenario 1: Recovering a NOARCHIVE database

Incremental Backups:-

Step 1: - Backup database:-

```
BACKUP DATABASE [database-name] TO DISK='backup-file.bak' WITH NO FORMAT, NOINIT, NAME='Full Database Backup', SKIP, REWIND, NOLOAD, STATS=10
```

Step 2: - Create Incremental Backup:-

```
BACKUP DATABASE [database-name] TO DISK='incremental-backup.bak' WITH DIFFERENTIAL, NOFORMAT, NOINIT, NAME='Incremental Database Backup', SKIP, REWIND, NOLOAD, STATS=10.
```

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
```

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
```

TASK-9:-

Backing up and recovery in databases

Perform following backup and recovery scenarios.

b) 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 SPFILE.

Step 3: - Restore SPFILE:

```
STARTUP MOUNT
```

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

SHUTDOWN

STARTUP.

c) Performing recovery with a Backup control File

Step 1: - Backup control File.

```
BACKUP CONTROLFILE TO FILE='controlfile.bak';
```

Step 2: - Simulate control FILE LOSS:-

Delete or modify control file.

Step 3: - Restore control File:-

```
STARTUP MOUNT
```

```
RESTORE CONTROLFILE REUSE; FROM FILE='controlfile.bak';
```

```
ALTER CONTROLFILE REUSE;
```

Step 4:- Recover database:-

RECOVER DATA BASE USING BACKUP CONTROL

ALE; and has quitted private service.

Step 5 - Open Database:-

ALTER DATA BASE OPEN RESTLOGIS;

SQL Server commands:-

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

VEL TECH	
EX No.	9
PERFORMANCE (5)	5
RESULT AND ANALYSIS (3)	3
VIVA VOCE (3)	3
RECORD (4)	4
TOTAL (15)	15
DATE	10/10/18

Result:- Thus the backing up and recovery in databases are successfully verified.