

Date: 06/10/25

Task 9: Backing up and Recovery in college management system database.

Aim:

To backing up and Recovery its college management system database

college management database

Scenario : Recovering a Noarchive log database with Incremental backups.

Step 1: Backup college management database

SQL:

BACKUP DATABASE [college - Management DB]

TO DISK = 'c:\Backups\college DB-full.bak'
WITH NO FORMAT, NOTWIT.

NAME = "FULL COLLEGE - Management
database Backup"

SKIP, REWIND, NOUNLOAD, STATS=10;

Step 2: Create Incremental Backup

Backup DATABASE [college - Management]

TO DISK = 'c:\Backups\college DB-Incremental
bak')

WITH DIFFERENTIAL, NO FORMAT,

NAME: 'Incremental college management
database Backup',
NOTWIT,

Step 3: Simulate Data Loss

DELETE FROM Students WHERE Department = 'CSE'

Step 4: Restore full Backup

RESTORE DATABASE [College-Management-DB]
FROM DISK = 'C:\Backups\CollegeB-full.bak';
WITH REPLACE;

Step 5: Apply Increment Backup

RESTORE DATABASE [College-Management-DB],

Step 6: Bring Database online.

ALTER DATABASE [College-Management-DB]
SET ONLINE.

2. Restoring the server parameters

Step 1: Backup SPFILE

BACKUP 'SERVER PARAMETER FILE' TO
FILE2 'C:\Backups\College DB - SPfile.bak';

Step 2: Simulate split ~

~~SHUTDOWN NOW~~

RESTORE SERVER PARAMETER FILE
FROM FILE:

C:\Backups\College DB - SPfile.bak;
SHUTDOWN
STARTUP

Scenario 3: performing Recovery with a Backup control file

Step 1: Backup ~~and~~ control file

Backup control file = ~~100%~~ REUSE;

Step 2: simulate control file.

STARTUP MOUNT;

RESTORE CONTROL FILE FROM FILE

~~data~~ 4pss / college DB-control file
-back;

Step 4: Recover DATABASE

RECOVER DATABASE USING BACKUP
control file.

Steps: DATABASE USING BACKUP
CONTROL FILE.

VELTECH	
EX No.	9
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	5
TOTAL (20)	25
IN WITH DATE	

Result:

Thus the college manager
system database is fully recovered
using a database as control
file is mounted as user fully