Backing up and recovery in databases

Perform following backup and recovery scenarios

a) Recovering a NOARCHIVELlog Database with Incremental
    Backups.

b) Restoring the server parameter file

c) Performing Recovery with a Backup Control file

Scenario1: Recovering a NOARCHIVELog Database with

     Incremental Backup

Step 1: Backup Database

BACKUP DATABASE [database_name] TO DISK='backup-
     file.back' WITH NOFORMAT, NOINIT,
NAME='Full Database Backup! SKIP, REWIND
NOUN LOAD, STATS =10

step 2:   Create Incremental Backup

BACKUP DATABASE [database_name] TO DISK='incremental
     backup.back 'WITH, DIFFERENTAL, NOFORMAT,
NOINT, NAME ='nncremental Database Backup! SKIP
REWIND, NOUNLOAD,
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-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

Scenario 2: Restoring the server parameter file

Step 1: Backup SPFILE

BACKUP SERVER PARAMETER FILE TO FILE:
        'Sp file.bak':

Step 2: Simaluate SP FILE LOSS

Delete or modify SPFILE

Step 3: Restore SPFILE

STARTOP MOUNT

RESTORE SERVER PARAMETER FILE FROM

    FILE = 'Sp file.bak';

SHUTDOWN

STARTUP

Scenario 3: Performing Recovery with a Backup
        Control File

Step 1: Backup control file

BACK CONTROLFILE TO FILE = 'Control file.bak';

Step 2: Simulate control File loss

Delete(or) modify control file.

Step 3: Restore control file.

STARUP MOUNT

RESTORE CONTROLFILE FROM FILE = 'Control file.back';

ALTER CONTROLFILE REUSE;

Step 4: Recover Database

RECOVER DATABASE OPEN USING BACKUP

CONTROLFILE;

Step 3: Open Database
ALTER DATABASE OPEN RESETLOGS:

Sql Server Commands:

- BACKUP DATABASE
- RESTORE DATABASE
- RECOVER DATABASE
- ALTER DATABASE
- BACKUP SERVER PARAMETER FILE
- RESTORE SERVER PARAMETER FILE
- BACKUP CONTROL FILE
- RESTORE CONTROL FILE

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EX NO.	9
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	4
RECORD (5)	
TOTAL (20)	14
SIGN WITH DATE	

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Result! Thus, we learned Backing up recovery in database and Implemented and also executed successfully