

# SESSION-1

The screenshot shows two terminal sessions in a dark-themed interface.

**Top Terminal Session:**

```
PS A:\FSAD> git config --global user.name "likitha"
>> git config --global user.email "likkireddy9014l@email.com"
>> git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=schannel
core.autocrlf=true
core.fscache=true
core.symlinks=false
pull.rebase=false
credential.helper=manager
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=master
user.name=likitha
user.email=likkireddy9014l@email.com
PS A:\FSAD>
```

**Bottom Terminal Session:**

```
PS A:\my first git project> git config --global user.name "likitha harshini"
>> git config --global user.email "likkireddy9014@gmail.com"
PS A:\my first git project> git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=schannel
core.autocrlf=true
core.fscache=true
core.symlinks=false
pull.rebase=false
credential.helper=manager
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=master
user.name=likitha harshini
● user.email=likkireddy9014@gmail.com
 Initialized empty Git repository in A:/my first git project/.git/
○ PS A:\my first git project>
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS A:\my first git project> `git config --global user.name "likitha harshini"`  
>> `git config --global user.email "likkireddy9014@gmail.com"`  
PS A:\my first git project> `git config --list`  
diff.astextplain.textconv=astextplain  
filter.lfs.clean=git-lfs clean -- %f  
filter.lfs.smudge=git-lfs smudge -- %f  
filter.lfs.process=git-lfs filter-process  
filter.lfs.required=true  
http.sslbackend=schannel  
core.autocrlf=true  
core.fscache=true  
core.symlinks=false  
pull.rebase=false  
credential.helper=manager  
credential.https://dev.azure.com.usehttppath=true  
init.defaultbranch=master  
user.name=likitha harshini  
● user\_email=likkireddy9014@`git init`  
● Initialized empty Git repository in `status/my first git project/.git/`  
On branch masterit project  
  
No commits yet  
  
nothing to commit (create/copy files and use "git add" to track)  
○ PS A:\my first git project>

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS A:\my first git project> `git config --global user.name "likitha harshini"`  
>> `git config --global user.email "likkireddy9014@gmail.com"`  
PS A:\my first git project> `git config --list`  
diff.astextplain.textconv=astextplain  
filter.lfs.clean=git-lfs clean -- %f  
filter.lfs.smudge=git-lfs smudge -- %f  
filter.lfs.process=git-lfs filter-process  
filter.lfs.required=true  
http.sslbackend=schannel  
core.autocrlf=true  
core.fscache=true  
core.symlinks=false  
pull.rebase=false  
credential.helper=manager  
credential.https://dev.azure.com.usehttppath=true  
init.defaultbranch=master  
user.name=likitha harshini  
● user\_email=likkireddy9014@`git init`  
● Initialized empty Git repository in `status/my first git project/.git/`  
On branch masterit project  
  
No commits yet  
  
nothing to commit (create/copy files and use "git add" to track)  
○ PS A:\my first git project>

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

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- PS A:\my first git project> **git status**  
On branch master  
  
No commits yet  
  
Untracked files:  
(use "git add <file>..." to include in what will be committed)  
nothing added to commit but untracked files present (use "git add" to track)  
PS A:\my first git project> **git add .**  
PS A:\my first git project> **git commit -m "Initial commit"**  
[master (root-commit) 886eb61] Initial commit  
1 file changed, 0 insertions(+), 0 deletions(-)  
create mode 100644 README.md  
PS A:\my first git project> []

# SESSION-2

Action Output					
	Time	Action	Response	Duration / Fetch Time	
1	17:26:41	CREATE DATABASE fulstack	1 row(s) affected	0.0032 sec	
2	17:26:41	USE fulstack	0 row(s) affected	0.00038 sec	
Action Output					
	Time	Action	Response	Duration / Fetch Time	
1	17:26:41	CREATE DATABASE fulstack	1 row(s) affected	0.0032 sec	
2	17:26:41	USE fulstack	0 row(s) affected	0.00038 sec	
3	17:28:46	CREATE TABLE Students ( VTU_Number VARCHAR(20) PRIMARY KEY, Name VARCHAR(100), Email VARCHAR(100), Phone VARCHAR(...)	0 row(s) affected	0.042 sec	
4	17:29:27	CREATE TABLE Courses ( Course_Code VARCHAR(10) PRIMARY KEY, Course_Name VARCHAR(100), Faculty_Id INT, Student_Id VARC...	Error Code: 1824. Failed to open the referenced table...	0.0039 sec	
5	17:29:50	CREATE TABLE Courses ( Course_Code VARCHAR(10) PRIMARY KEY, Course_Name VARCHAR(100), Faculty_Id INT, Student_Id VARC...	0 row(s) affected	0.010 sec	
Action Output					
	Time	Action	Response	Duration / Fetch Time	
1	17:26:41	CREATE DATABASE fulstack	1 row(s) affected	0.0032 sec	
2	17:26:41	USE fulstack	0 row(s) affected	0.00038 sec	
3	17:28:46	CREATE TABLE Students ( VTU_Number VARCHAR(20) PRIMARY KEY, Name VARCHAR(100), Email VARCHAR(100), Phone VARCHAR(...)	0 row(s) affected	0.042 sec	
4	17:29:27	CREATE TABLE Courses ( Course_Code VARCHAR(10) PRIMARY KEY, Course_Name VARCHAR(100), Faculty_Id INT, Student_Id VARC...	Error Code: 1824. Failed to open the referenced table...	0.0039 sec	
5	17:29:50	CREATE TABLE Courses ( Course_Code VARCHAR(10) PRIMARY KEY, Course_Name VARCHAR(100), Faculty_Id INT, Student_Id VARC...	0 row(s) affected	0.010 sec	
6	17:31:02	INSERT INTO Students VALUES ('IMS23CS001', 'Arjun Kumar', 'arjun@mail.com', '9845011223', 'CSE'), ('IMS23CS002', 'Sneha Rao', 'sneha@...	5 row(s) affected Records: 5 Duplicates: 0 Warnings...	0.011 sec	
7	17:31:20	INSERT INTO Courses VALUES ('CS101', 'Database Management', 101, 'IMS23CS001', 'prof_smith@vtu.edu'), ('IS202', 'Data Structures', 102,...	5 row(s) affected Records: 5 Duplicates: 0 Warnings...	0.0024 sec	

VTU_Number	Name	Email	Phone	Department		
1MS23CS001	Arjun Kumar	arjun@mail.com	9845011223	CSE		
1MS23CS003	Rahul Nair	rahul@mail.com	9845033445	CSE		
NULL	NULL	NULL	NULL	NULL		

Course_Code	Course_Name	Faculty_Id	Student_ID	Faculty_Email	
IS202	Data Structures	102	1MS23CS002	prof_jones@vtu.edu	
CS101	Database Management	101	1MS23CS001	prof_smith@vtu.edu	
EC301	Digital Electronics	103	1MS23CS004	prof_kumar@vtu.edu	
CS103	Operating Systems	101	1MS23CS003	prof_smith@vtu.edu	
IS204	Web Programming	104	1MS23CS005	prof_leila@vtu.edu	
NULL	NULL	NULL	NULL	NULL	

Name	Email
Arjun Kumar	arjun@mail.com
Sneha Rao	sneha@mail.com
Rahul Nair	rahul@mail.com
Priya Das	priya@mail.com
Amit Singh	amit@mail.com

VTU_Number	Name	Email	Phone	Department
1MS23CS001	Arjun Kumar	arjun@mail.com	9845011223	CSE
1MS23CS002	Sneha Rao	sneha@mail.com	9845022334	IT
1MS23CS003	Rahul Nair	rahul@mail.com	9845033445	CSE
NULL	NULL	NULL	NULL	NULL

Department Total\_Students

CSE	2
IT	2

## SESSION-3

Course_Code	Course_Name	Faculty_Id	Student_ID	Faculty_Email
CS101	Database Management	101	1MS23CS001	prof_smith@vtu.edu
CS103	Operating Systems	101	1MS23CS003	prof_smith@vtu.edu
EC301	Digital Electronics	103	1MS23CS004	prof_kumar@vtu.edu
IS202	Data Structures	102	1MS23CS002	prof_jones@vtu.edu
IS204	Web Programming	104	1MS23CS005	prof_leila@vtu.edu
NULL	NULL	NULL	NULL	NULL

MAX(Faculty\_Id)

104
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VTU_Number	Name	Email	Phone	Department
1MS23CS005	Amit Singh	amit@mail.com	9845055667	IT
1MS23CS004	Priya Das	priya@mail.com	9845044556	ECE
1MS23CS003	Rahul Nair	rahul@mail.com	9845033445	CSE
1MS23CS002	Sneha Rao	sneha@mail.com	9845022334	IT
1MS23CS001	Arjun Kumar	arjun@mail.com	9845011223	CSE

VTU_Number	Name	Email	Phone	Department
1MS23CS002	Sneha Rao	sneha@mail.com	9845022334	IT
1MS23CS005	Amit Singh	amit@mail.com	9845055667	IT

VTU_Number	Name	Course_Name	Faculty_Email
1MS23CS001	Arjun Kumar	Database Management	prof_smith@vtu.edu
1MS23CS002	Sneha Rao	Data Structures	prof_jones@vtu.edu
1MS23CS003	Rahul Nair	Operating Systems	prof_smith@vtu.edu
1MS23CS004	Priya Das	Digital Electronics	prof_kumar@vtu.edu
1MS23CS005	Amit Singh	Web Programming	prof_leila@vtu.edu

## SESSION-4

Course_Name	COUNT(Student_Id)
Database Management	1
Operating Systems	1
Digital Electronics	1
Data Structures	1
Web Programming	1

✓ 18	17:40:31	SELECT * FROM Students	5 row(s) returned	0.00055 sec / 0.0000...
✓ 19	17:41:38	SELECT * FROM Students	2 row(s) returned	0.00080 sec / 0.000...
✓ 20	17:42:51	SELECT s.VTU_Number	5 row(s) returned	0.0015 sec / 0.00001...
✓ 21	17:44:24	SELECT Course_Name	5 row(s) returned	0.0014 sec / 0.00000...
✓ 22	17:45:27	CREATE TABLE FacultyCourses	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.034 sec

✓ 20	17:42:51	SELECT s.VTU_Number	5 row(s) returned	0.0015 sec / 0.00001...
✓ 21	17:44:24	SELECT Course_Name	5 row(s) returned	0.0014 sec / 0.00000...
✓ 22	17:45:27	CREATE TABLE FacultyCourses	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.034 sec
✗ 23	17:45:29	CREATE TABLE FacultyCourses	Error Code: 1050. Table 'FacultyCourses' already exists	0.0031 sec
✗ 24	17:45:43	CREATE TABLE FacultyCourses	Error Code: 1050. Table 'FacultyCourses' already exists	0.00072 sec
✓ 25	17:47:18	UPDATE Students SET	2 row(s) affected Rows matched: 2 Changed: 2 Warnings: 0	0.0057 sec

✓ 27	17:48:10	UPDATE Students SET	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.0011 sec
✓ 28	17:48:18	COMMIT	0 row(s) affected	0.00081 sec
✓ 29	17:48:53	START TRANSACTION	0 row(s) affected	0.00033 sec
✓ 30	17:48:53	SAVEPOINT sp1	0 row(s) affected	0.00050 sec
✓ 31	17:48:53	UPDATE Students SET	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.00051 sec
✓ 32	17:48:53	ROLLBACK TO sp1	0 row(s) affected	0.00029 sec
✓ 33	17:48:53	COMMIT	0 row(s) affected	0.00020 sec
✓ 34	17:49:26	CREATE FUNCTION	0 row(s) affected	0.0092 sec

AddNumbers(10,2)
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## SESSION-5

✓	31	17:48:53	UPDATE Students SE...	1 row(s) affected	Rows matched: 1	Changed: 1	Warning: 0	0.00051 sec
✓	32	17:48:53	ROLLBACK TO sp1	0 row(s) affected				0.00029 sec
✓	33	17:48:53	COMMIT	0 row(s) affected				0.00020 sec
✓	34	17:49:26	CREATE FUNCTION...	0 row(s) affected				0.0092 sec
✓	35	17:50:09	SELECT AddNumber...	1 row(s) returned				0.0043 sec / 0.0000...
✓	36	17:51:16	CREATE FUNCTION...	0 row(s) affected				0.0046 sec

```
| GetStudentDept('1MS23CS0...
```

```
| CSE
```