

1. Navigation

Task	Command	Example
Go to folder	cd	cd ~/ledger
Go back one level	cd ..	
List files	ls	ls database
Show current path	pwd	

2. Virtual Environment

Task	Command
Create	python3 -m venv venv
Activate	source venv/bin/activate
Deactivate	deactivate

3. Dependency Management

Task	Command
Install package	pip install flask
Export dependencies	pip freeze > requirements.txt
Install from file	pip install -r requirements.txt

4. SQLite

Task	Command	Example
Open DB	sqlite3 file.db	sqlite3 ledger.db
List tables	.tables	
Show schema	.schema events	
Quit	.exit	

5. Git

Task	Command
Check branch	git branch
Create branch	git checkout -b feature/name
Switch branch	git checkout main
Add files	git add .

Commit	git commit -m 'message'
Push	git push
Pull updates	git pull
View status	git status

6. Compile C

Task	Command
Compile to shared library	gcc -shared -o ledger.so -fPIC ledger.c
Verify version	gcc --version

Essential CLI commands for Ledger Phase 1 and CS50 project.