GIT

Dhanusri Vijayakumar@Dhanusri-Vijayakumar MINGW64 ~ (master)

**$ echo "initial content" > readme.txt**

Dhanusri Vijayakumar@Dhanusri-Vijayakumar MINGW64 ~ (master)

**$ git add readme.txt**

warning: in the working copy of 'readme.txt', LF will be replaced by CRLF the next time Git touches it

Dhanusri Vijayakumar@Dhanusri-Vijayakumar MINGW64 ~ (master)

**$ git commit -m "initial commit"**

[master (root-commit) dbc6c60] initial commit

1 file changed, 1 insertion(+)

create mode 100644 readme.txt

Dhanusri Vijayakumar@Dhanusri-Vijayakumar MINGW64 ~ (master)

**$ git branch freature-A**

Dhanusri Vijayakumar@Dhanusri-Vijayakumar MINGW64 ~ (master)

**$ git branch**

freature-A

\* master

Dhanusri Vijayakumar@Dhanusri-Vijayakumar MINGW64 ~ (master)

**$ git checkout feature-A**

error: pathspec 'feature-A' did not match any file(s) known to git

Dhanusri Vijayakumar@Dhanusri-Vijayakumar MINGW64 ~ (master)

**$ git checkout freature-A**

Switched to branch 'freature-A'

Dhanusri Vijayakumar@Dhanusri-Vijayakumar MINGW64 ~ (freature-A)

**$ git checkout -b feature-B**

Switched to a new branch 'feature-B'

Dhanusri Vijayakumar@Dhanusri-Vijayakumar MINGW64 ~ (feature-B)

**$ git branch**

\* feature-B

freature-A

master

Dhanusri Vijayakumar@Dhanusri-Vijayakumar MINGW64 ~/projects/project1 (feature-A)

**$ git merge master**

Already up to date.

**$ git clone “—link--”**

Dhanusri Vijayakumar@Dhanusri-Vijayakumar MINGW64 ~/projects (master)

**$ cd 50projects50days**

Dhanusri Vijayakumar@Dhanusri-Vijayakumar MINGW64 ~/projects/50projects50days (master)

**$ git branch**

\* master

Dhanusri Vijayakumar@Dhanusri-Vijayakumar MINGW64 ~/projects/50projects50days (master)

**$ git pull origin master**

From https://github.com/bradtraversy/50projects50days

\* branch master -> FETCH\_HEAD

Already up to date.

Dhanusri Vijayakumar@Dhanusri-Vijayakumar MINGW64 ~/projects/50projects50days (master)

**$ git status**

On branch master

Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean

Dhanusri Vijayakumar@Dhanusri-Vijayakumar MINGW64 ~/projects/50projects50days (master)

**$ git remote -v**

origin https://github.com/bradtraversy/50projects50days (fetch)

origin https://github.com/bradtraversy/50projects50days (push)

Dhanusri Vijayakumar@Dhanusri-Vijayakumar MINGW64 ~/projects/50projects50days (master)

**$ git remote rename origin upstream**

Renaming remote references: 100% (3/3), done.

Dhanusri Vijayakumar@Dhanusri-Vijayakumar MINGW64 ~/projects/50projects50days (master)

**$ git remote -v**

upstream https://github.com/bradtraversy/50projects50days (fetch)

upstream https://github.com/bradtraversy/50projects50days (push)

Dhanusri Vijayakumar@Dhanusri-Vijayakumar MINGW64 ~/projects/50projects50days (master)

**$ git pull upstream master**

From https://github.com/bradtraversy/50projects50days

\* branch master -> FETCH\_HEAD

Already up to date.

Dhanusri Vijayakumar@Dhanusri-Vijayakumar MINGW64 ~/projects/50projects50days (master)

**$ git reset --soft HEAD~1**

Dhanusri Vijayakumar@Dhanusri-Vijayakumar MINGW64 ~/projects/50projects50days (master)

**$ git reset --hard HEAD~1**

HEAD is now at 8d2a403 Merge pull request #165 from FelizYK/master

POSTGRESQL :

select \* from actor;

select first\_name from actor;

select customer\_id, amount, payment\_date from payment;

select \* from actor order by actor\_id;

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create table cars(brand varchar(100), model varchar(100), year INT);

select \* from cars;

INSERT INTO cars (brand, model, year)VALUES ('Ford', 'Mustang', 1964);

INSERT INTO cars (brand, model, year)VALUES

('Volvo', 'p1800', 1968),

('BMW', 'M1', 1978),

('Toyota', 'Celica', 1975);

alter table cars add color varchar(100);

select \* from cars;

-----------

update cars set color = 'red' where brand = 'Volvo';

alter table cars alter column year type varchar(100);

alter table cars drop column color;

delete from cars where brand = 'Ford';

select \* from cars;

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drop table car\_owners

create table car\_owners(owner\_id INT, owner\_name varchar(100), car\_brand varchar(100), car\_model varchar(100));

insert into car\_owners(owner\_id, owner\_name, car\_brand, car\_model) values

(1,'alice','bmw','m1'),

(2,'bob','toyoto','celica'),

(3,'charlie','volvo','p1800');

---------------

/\* case insensitive \*/

SELECT co.owner\_name, c.brand, c.model, c.year

FROM car\_owners co

JOIN cars c

ON co.car\_brand ILIKE c.brand AND co.car\_model ILIKE c.model;

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association types :

one to one -- one car one registration id

one to many -- one car brand many models

many to many -- many cars many owners

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-- Create, view, delete an index on the 'brand' column

CREATE INDEX idx\_brand ON cars(brand);

SELECT indexname, indexdef FROM pg\_indexes WHERE tablename = 'cars';

drop index idx\_brand;

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drop table cars;

drop table car\_owners;

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-- parent table cars

CREATE TABLE cars (

brand TEXT NOT NULL,

model TEXT NOT NULL,

year INT NOT NULL,

PRIMARY KEY (brand, model)

);

-- child table car\_owners

CREATE TABLE car\_owners (

owner\_id SERIAL PRIMARY KEY,

owner\_name TEXT NOT NULL,

car\_brand TEXT NOT NULL,

car\_model TEXT NOT NULL,

FOREIGN KEY (car\_brand, car\_model) REFERENCES cars (brand, model)

ON DELETE CASCADE

ON UPDATE CASCADE

);

INSERT INTO cars (brand, model, year)

VALUES ('BMW', 'M1', 1978),

('Toyota', 'Celica', 1975);

INSERT INTO car\_owners (owner\_name, car\_brand, car\_model)

VALUES ('Alice', 'BMW', 'M1'),

('Bob', 'Toyota', 'Celica');

SELECT co.owner\_name, c.brand, c.model, c.year

FROM car\_owners co

JOIN cars c

ON co.car\_brand = c.brand AND co.car\_model = c.model;