go test -coverprofile=cover.out

go tool cover -func=cover.out

go tool cover -html=cover.out

#linters

golangci-lint run --fix

#

go

go mod init

git init

go mod tidy

go get ./...

go get -u github.com/gorilla/mux

#mock

GO111MODULE=on go get github.com/golang/mock/mockgen@v1.6.0

mockgen -source= -destination= -package=

go get github.com/DATA-DOG/go-sqlmock

CREATE TABLE Vehicle(

id SERIAL PRIMARY KEY,

model TEXT,

year int

);

CREATE TABLE CAR(

doorno int

)INHERITS (vehicle);

CREATE TABLE BIKE(

wheels int

)INHERITS(vehicle);

SELECT \* FROM vehicle;

SELECT \* FROM ONLY vehicle;

INSERT INTO vehicle(model,year) values('V1',2015);

insert into car(model,year,doorno) values('VS',2026,5);

SELECT \* FROM car;

CREATE TABLE T1(

sid int PRIMARY KEY,

sname TEXT,

sage INT,

sgender INT

);

CREATE TABLE T2(

sid int PRIMARY KEY,

mark1 int,

mark2 int,

mark3 int,

totalmarks int

);

ALTER TABLE t1 ALTER sgender TYPE VARCHAR(1);

INSERT INTO t1(sid,sname,sage,sgender) VALUES(101,'S1',12,'F');

INSERT INTO t1(sid,sname,sage,sgender) VALUES(102,'S2',14,'M');

INSERT INTO t1(sid,sname,sage,sgender) VALUES(103,'S3',13,'F');

INSERT INTO t1(sid,sname,sage,sgender) VALUES(104,'S2',14,'M');

INSERT INTO t1(sid,sname,sage,sgender) VALUES(105,'S3',13,'F');

SELECT \* FROM T1;

INSERT INTO t2(sid,mark1,mark2,mark3,totalmarks) VALUES(101,22,24,25,71);

INSERT INTO t2(sid,mark1,mark2,mark3,totalmarks) VALUES(102,24,25,23,72);

INSERT INTO t2(sid,mark1,mark2,mark3,totalmarks) VALUES(103,25,24,25,74);

INSERT INTO t2(sid,mark1,mark2,mark3,totalmarks) VALUES(106,25,24,25,74);

SELECT \* FROM T2;

SELECT \* FROM t1 left join t2 on t1.sid = t2.sid WHERE t1.sgender = 'F';

CREATE TABLE userdetails(

uid int PRIMARY KEY,

uname TEXT,

uage int

);

INSERT INTO userdetails(uid,uname,uage) VALUES(101,'Harry',21);

INSERT INTO userdetails(uid,uname,uage) VALUES(102,'Leela',21);

INSERT INTO userdetails(uid,uname,uage) VALUES(103,'Pooji',21);

SELECT \* FROM userdetails;