

Exercise 03 - Martin Schneglberger - S1810455022

First try:

```
language: go

services:
  - postgresql

script:
  - go test -v
```

Resulted in:

```
2020/05/27 13:19:16 pq: role "password=" does not exist
exit status 1
```

Might forgot to specify go language version, but this should not be the problem

<https://docs.travis-ci.com/user/database-setup/#postgresql>

=> Apparently the database and the user has to be setup beforehand

Also, this reads like a password error. After checking my EX02 again, I noticed that I used *secret* as a password, and of course travis cannot know this when setting up the service.

Thus, I have to somehow set environment variables for travis! But how should this be possible if no credentials should be committed? It would be stupid to set them up as environment variables for the project just to have them as plain text in the yml again.

Solution: <https://docs.travis-ci.com/user/environment-variables/>

I will just handle all my environment variables as being sensitive and thus will encrypt them all.

As they might be different for every branch, I will add them to my repository settings as described here:

<https://docs.travis-ci.com/user/environment-variables/#defining-variables-in-repository-settings>

Thus, new yml:

```
language: go

go:
  - 1.14.x




services:
  - postgresql
```

```
script:
  - go test -v
```

And environment settings:

Environment Variables

Customize your build using environment variables. For secure tips on generating private keys read our [documentation](#)

APP_DB_NAME	*****	Available to all branches	
APP_DB_PASSWORD	*****	Available to all branches	
APP_DB_USERNAME	*****	Available to all branches	

I like how the environment is recreated from scratch (thus pulling all the packages) upon each build (and each running in a fresh VM and cloning the repo into it)

AAAAANNNND: Got Ya!

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218 $ travis_install_go_dependencies 1.14.x -v
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223 $ go test -v
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228 === RUN   TestEmptyTable
229 --- PASS: TestEmptyTable (0.00s)
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234 === RUN   TestGetNonExistentProduct
235 --- PASS: TestGetNonExistentProduct (0.00s)
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240 === RUN   TestCreateProduct
241 --- PASS: TestCreateProduct (0.00s)
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246 === RUN   TestGetProduct
247 --- PASS: TestGetProduct (0.00s)
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252 === RUN   TestUpdateProduct
253 --- PASS: TestUpdateProduct (0.00s)
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258 === RUN   TestDeleteProduct
259 --- PASS: TestDeleteProduct (0.00s)
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