

\* environment variables : Store sensitive data such as API keys and secret keys etc

\* To use

① `npm i dotenv`

② `require('dotenv').config()` in app.js on top

③ create `.env` file in the root directory of project  
is a hidden file so can see not with `ls` but with `ls -a`

So now in `.env`

`SECRET=ThisisourlittleSecret.`

`API_KEY=12345678`

no space between

no comma after each line

now we can access `SECRET` & `API_KEY` in app.js as we have also required it there

\* `console.log(process.env.API_KEY);`

\* now: 

```
userSchema.plugin(encrypt, { secret: process.env.SECRET, encryptedFields: ["password"] });
```

`.env` should not be committed while hosting it or pushing it on github

\* touch `.gitignore`

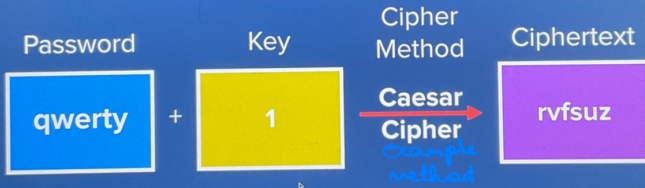
\* inside `.gitignore` copy & paste template which comes from github

next: `git add.`

`git commit -m "Add Environment Vars"`

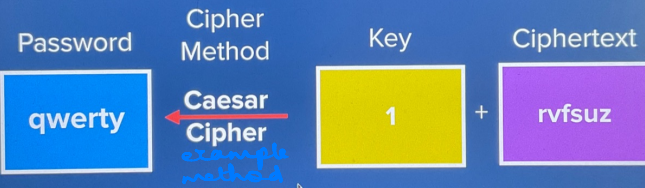
`git push -u origin master`

## Encryption

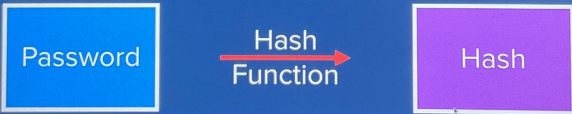


// Every letter of password is shifted by 1

## Decryption



## Hashing



turns password into hash and makes almost impossible to turn back hash into password