

↓
DB.

if email id is present
in the DB or not.



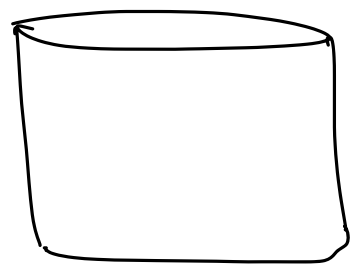
login()

Signup(),
↓

Create a User
Object & Store it
in the DB.

⇒ Store email &
password. in DB.

Animesh Signup → Scaler

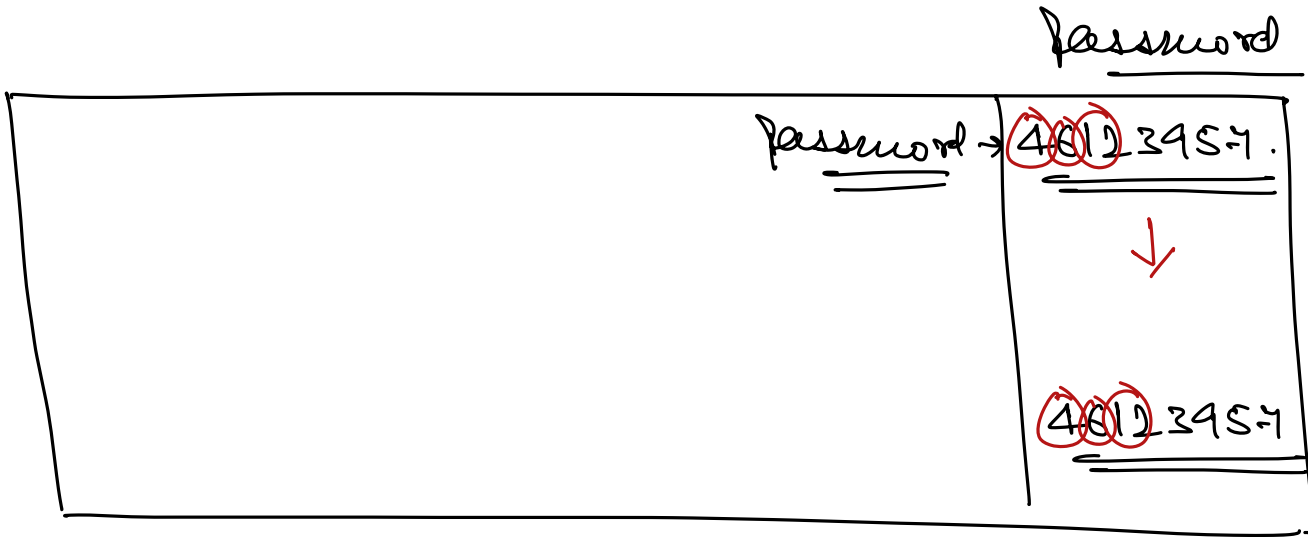


animesh@gmail.com	abc123.
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⇒ Encrypt.

"password" → "46123957" X

DB leaks.

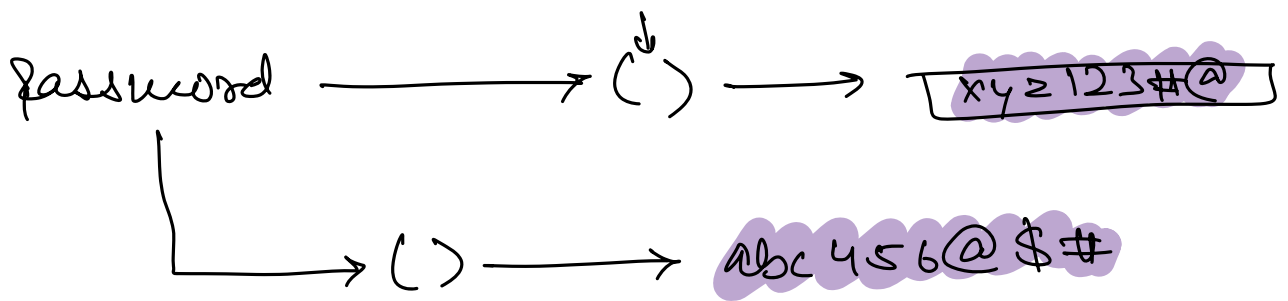


Hacker.

Signup → multiple passwords.

⇒ If we are encoding to the same value again & again for a string, then this is also risky.

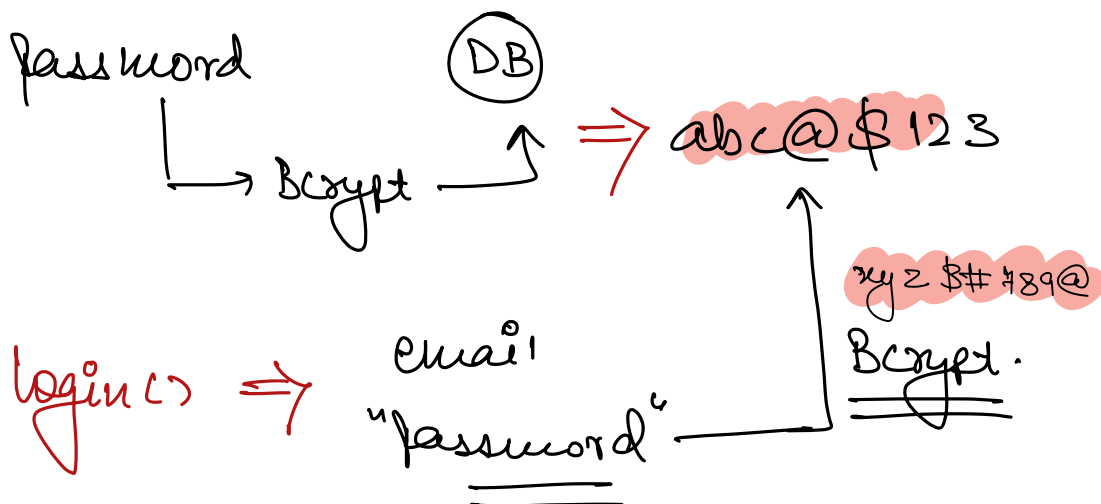
⇒ We should have some logic that should return the different encoded value for same string.



\Rightarrow Bcrypt Encoder

bcrypt(password) \rightarrow abc@\$123

bcrypt(password) \rightarrow xyz\$#489@



\Rightarrow "password" matches