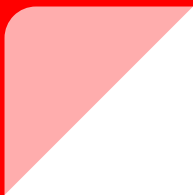# Please Protect me !!

~password

Hiding it, from the world of evil...

1. How someone can get access to our passwords and personal data?
2. How we can hide them from the hackers?
3. How we can ensure that our protection method is safe enough?

I am here to protect you...

~hashing

Step 1

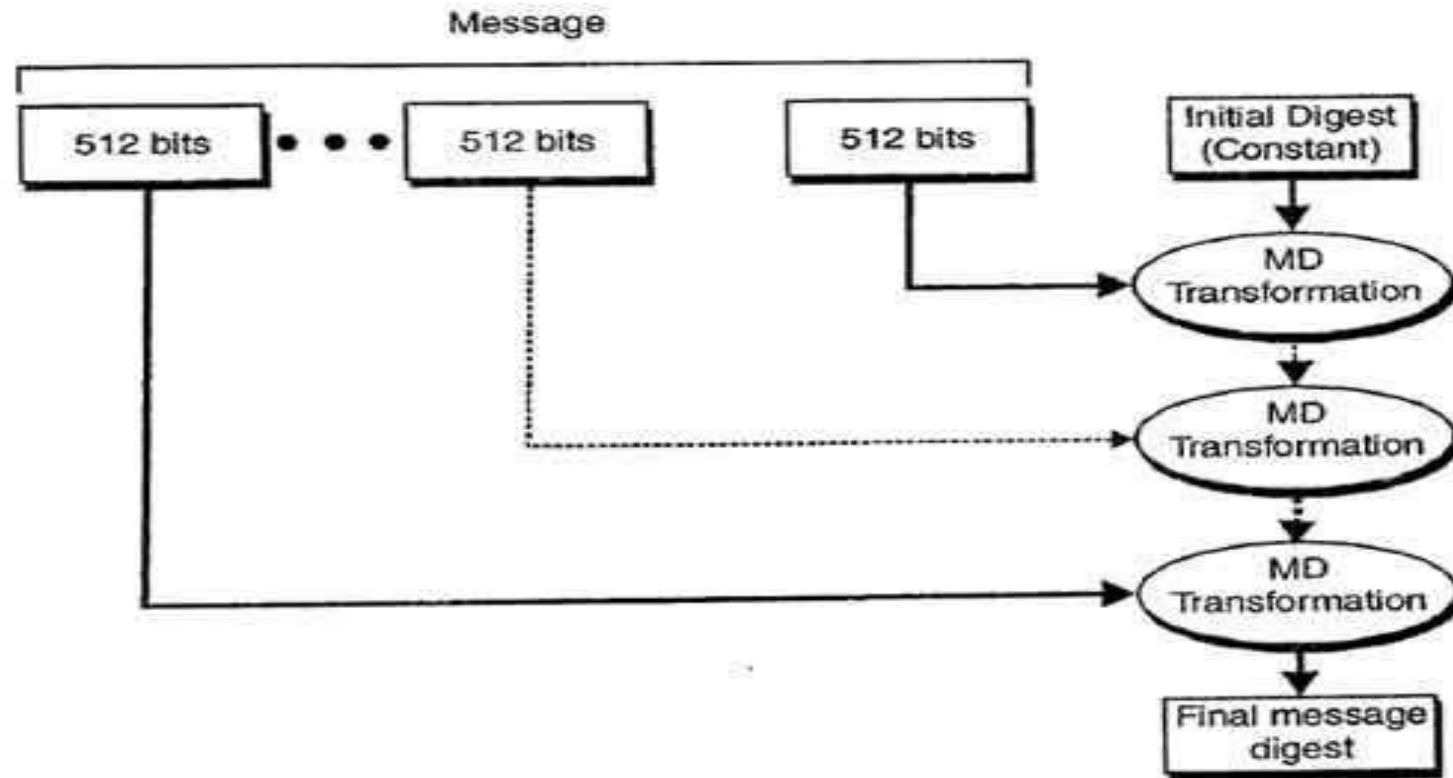Convert password or any other plain text into a hash value.

Step 2

Store the hash value in your database.

Step 3

Next time when you need to verify, just compare the hash values instead of actual password or data.

Generation of message digest using MD5.

Final Outcome

Input	Output
" "	d41d8cd98f00b204e9800998ecf8427e
"a"	0cc175b9c0f1b6a831c399e269772661
"abc"	900150983cd24fb0d6963f7d28e17f72
"message digest"	f96b697d7cb7938d525a2f31aaf161d0
"abcdefghijklmnopqrstuvwxyz"	c3fcd3d76192e4007dfb496cca67e13b
"ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789"	d174ab98d277d9f5a5611c2c9f419d9f