

Selenium WebDriver - Password Encryption and Decryption

- Encryption and Decryption
 - In Selenium Automation, direct passwords (i.e. Hard-coded passwords) should not be used anywhere in the code due to security reasons - Demonstrate [here](#)
 - Others should not be able to directly see the password
 - The following from Java API can be used to encrypt and decrypt any text (Show API)
 - **Base64** predefined class and **getEncoder()** & **getDecoder()** methods of Base64 class which we need to use for encryption and decryption purposes.
 - We use the password text which is encoded outside our automation code and use the logic for decrypting the encoded password in our automation code.
 - Demonstrate a Java program which encrypts the actual password - Demonstrate [here](#)
 - Demonstrate a Java program which decrypts the encrypted password - Demonstrate [here](#)
 - Demonstrate a Selenium Program which uses an encrypted password - Demonstrate [here](#)
 - Logic for decrypting the password is needed
 - In the above program, the encrypted text will be decrypted and then passed to the selenium automation code.
 - Create a reusable method which decodes the encrypted text when required - Demonstrate [here](#)
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