

## main\_module

```
normalise_letter(x)
format_text(text)
run()
```

## screen\_constants

```
START_ASK_LANGUAGE
LANGUAGE_SETTINGS
ENGLISH_MAIN_MENU
ENGLISH_PRINCIPLES_ENCRYPTING
ENGLISH_PRINCIPLES_DECRYPTING
ENGLISH_ASK_KEY_CAESAR
ENGLISH_ASK_KEY_VIGENERE
ENGLISH_ASK_KEY_ENIGMA
ENGLISH_ASK_TEXT
ENGLISH_ENCRYPTED_TEXT
ENGLISH_DECRYPTED_TEXT
ENGLISH_HELP_PRINCIPLES
ENGLISH_QUIT_MESSAGE
FRENCH_MAIN_MENU
FRENCH_PRINCIPLES_ENCRYPTING
FRENCH_PRINCIPLES_DECRYPTING
FRENCH_ASK_KEY_CAESAR
FRENCH_ASK_KEY_VIGENERE
FRENCH_ASK_KEY_ENIGMA
FRENCH_ASK_TEXT
FRENCH_ENCRYPTED_TEXT
FRENCH_DECRYPTED_TEXT
FRENCH_HELP_PRINCIPLES
FRENCH_QUIT_MESSAGE
```

## screen\_module

```
show_start_ask_language()
show_language_settings()
show_main_menu(english: Boolean)
show_principles(english: Boolean, encrypting: Boolean)
show_ask_key(english: Boolean, principle: char)
show_ask_text(english: Boolean)
show_treated_text(english: Boolean, encrypting: Boolean)
show_help_principles(english: Boolean)
show_quit_message(english: Boolean)
```

## text\_module

```
encrypt_caesar(text: string, key: int)
decrypt_caesar(text: string, key: int)
create_vigenere_table()
create_table_text_key(text: string, key: string)
encrypt_vigenere(text: string, key: string)
decrypt_vigenere(text: string, key: string)
create_initial_list()
search_index(initial_list: list, letter: char)
plugboard(letter: char)
permutation_reflector(letter: char)
shift_first_rotor(return_path: Boolean, index: int, offset: int)
shift_second_rotor(return_path: Boolean, index: int, offset: int)
shift_third_rotor(return_path: Boolean, index: int, offset: int)
enigma(text: string, key: string)
```

## tests

```
test_caesar_encryption()
test_caesar_decryption()
test_create_table_of_vigenere()
test_vigenere_encryption()
test_vigenere_decryption()
test_enigma()
test_format_and_normalise()
run_all_tests()
test_run()
```