

Copy and paste the following code snippet at the beginning of your script.

```
import requests
word_site = "https://www.mit.edu/~ecprice/wordlist.10000"
response = requests.get(word_site)
many_words = response.text.split() # split returns a list containing the words
# Your code should start from belowâ€¦

while True:
    user_number = int(input('Please enter a value (from 3 to 7) for the number of words: '))
    if 3 <= user_number <= 7: # validation mechanism
        break
    else:
        print('Invalid value!')

import random # it would be better to put module level import at top of file
initial_password = '' # empty string
for element in range(1, user_number+1):
    random_index = random.randint(0, len(many_words)-1)
    initial_password = initial_password + many_words[random_index] # + concatenates the strings

print('Initial password: ' + initial_password)
```

```
def rep_with_upper(parameter_string):
    random_location = random.randint(0, len(parameter_string)-1)
    new_string = parameter_string[:random_location] + parameter_string[random_location].upper() + parameter_string[random_location+1:]
    return new_string
```

```
modified_password = rep_with_upper(initial_password)
# print (modified_password)
```

```
def swap_letters(word):
    new_word = word[-2:] + word[2:-2] + word[:2]
    return new_word
```

```
final_password = swap_letters(modified_password)
print('Final version of the password: ' + final_password)
```

```
# TODO@HOME part:
def search_letter(source_string, key_letter):
    if source_string.find(key_letter) != -1: # find method returns -1 if not found
        return True
    else:
        return False
```

```
my_name = 'SE113'
result = search_letter(final_password, my_name[0])
print(result)
```

```
# TODO@HOME ends here
# -----
```

```
# Question#3 part
my_list = list() # an empty list is created
print(my_list)
my_list.append(my_name)
print(my_list)
my_list.append('Python.')
print(my_list)
my_list.append('Guido van Rossum')
print(my_list)
del my_list[0]
print(my_list)
my_list.append('is the inventor of')
print(my_list)
my_list.append(my_list.pop(0))
print(my_list)
result = ' '.join(my_list)
print(result)
```

```
# Question#3 ends here
# -----
```