

# Unit Testing 3 Exercises

---

You should use the `Mock()` object to mock any functions

1. Write a unit test for the function `add_number_with_random_number`. You will need to update the code to make use of **dependency injection** and create a mock object.

```
import random

def get_random_number():
    return random.randint(1, 10)

def add_number_with_random_number(a):
    return a + get_random_number()
```

2. Write a unit test for the below function `get_random_number`. Same principles follow from the first question.

```
from random import randint

def get_random_number():
    return randint(1, 10)
```

3. Write a unit test for the below function. You will need to patch the `input` and `print` function. Assert what the `print` function was called with, and assert how many times the `input` and `print` function were respectively called.

You will need to figure out how to supply two different values for both `input` calls. [Here's a hint](#).

```
def get_user_details():
    name = input('Please enter your name: ')
    age = int(input('Please enter your age: '))
    print(f'Thank you, your name is {name} and your age is {age}')
```