

### 1. primeNum.py (30 points)

Write a program that displays all of the prime numbers from 1 through 10. The program should have a loop that calls the `is_prime` function.

#### Hints:

Declare local variables under `main()` program

For each number, print whether or not it is prime.

Write **for** loop, use range function to loop through the total numbers.

Call `is_prime` function

print if the number is prime or not prime

Define `is_prime` function, `'def is_prime(number):'`

The `is_prime` function receives a number as an argument, and returns `True` if number is prime, `False` otherwise.

#### **Sample Output:**

```
number    is prime
-----
1    not prime
2    prime
3    prime
4    not prime
5    prime
6    not prime
7    prime
8    not prime
9    not prime
10   not prime
```