Experiment 7:

1. Write a program that prompts the user to enter two integers and displays their greatest common divisor (GCD). You can rewrite the program 6.3, and implement this program with the help of a function and place it into a module named **GCDFunction.py**.

2. Apply the concept of code modularization to improve the program implemented in experiment 6.4 with title **PrimeNumber.py**. This program defines two new functions, **isPrime** and **printPrimeNumbers**. The **isPrime** function determines whether a number is prime, and the **printPrimeNumbers** function prints prime numbers.

NOTE: In a line, total prime numbers permissible are less than 15 in the count.

3. (Conversions between Celsius and Fahrenheit) write a module that contains the following two functions:

```
# Converts from Celsius to Fahrenheit
def celsiusToFahrenheit(celsius):

# Converts from Fahrenheit to Celsius
def fahrenheitToCelsius(fahrenheit):
```

The formulas for the conversion are:

celsius = (**5** / **9**) * (fahrenheit – **32**)
fahrenheit = (**9** / **5**) * celsius + **32**

4. (Conversions between feet and meters) Write a module that contains the following two functions:

```
# Converts from feet to meters
def footToMeter(foot):

# Converts from meters to feet
def meterToFoot(meter):
```

The formulas for the conversion are:
foot = meter / **0.305**
meter = **0.305** * foot

Write a test program that invokes these functions to display the following tables:

Feet	**Meters**	**Meters**	**Feet**
1.0	0.305	20.0	66.574
2.0	0.610	26.0	81.967

...

9.0	2.745	60.0 196.721
10.0	3.050	66.0 213.115