

## Course: Introduction to Programming Using Python

### **Module 6. Module: Tuples, Sets, Dictionaries. Part 2**

#### **Task 1**

You have a set containing country names. Provide the following features:

- Add a country;
- Delete a country;
- Search for a country by entered characters;
- Check whether the country exists inside the set.

#### **Task 2**

You have two sets containing city names. Create a third set containing names present in both sets.

#### **Task 3**

You have two sets containing city names. Create a third set containing names present in the first set but not in the second.

#### **Task 4**

You have two sets containing city names. Create a third set containing names present in the second set but not in the first.

#### **Task 5**

You have two sets containing city names. Create a third set containing names unique to each set.

## Task 6

A dictionary contains a set of pairs: Country name -> Capital. Provide the possibility to add, delete, search, and replace them.