

Tutorial 2

NetBeans and Vector

Objectives

- Practice Java application development using NetBeans IDE
- Familiarise yourself with the Vector class from the Java Collections Framework

Tasks

1. Develop a Java application using NetBeans that uses a sequence of 15 consecutive integer numbers. A Vector type collection is used to store the numbers. Main steps to be performed:
 - Create a NetBeans project called VectorIntExample
 - The main Java class should be named TestVectorInt
 - Declare and create a Vector type collection that will be used to store the integer numbers
 - Add 15 consecutive numbers to the collection
 - Print the elements of the collection using toString() method

NOTE: Do not forget to import java.util.*;

2. Extend your program to shuffle the numbers.
 - Use Collections.shuffle(vectorname) method supported by the collection
 - Print the elements of the collection in order to see the outcome
3. Use an Iterator to extend your program to loop through the numbers in your collection and print out a message for each one. Example below is for a collection of Strings (fruits) from the lecture notes:

```
Iterator i = fruits.iterator();
while (i.hasNext()) {
    System.out.println("I like " + i.next());
}
```