# Lab Work 2-14-4

| **Item** | **Description** |
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| Goal | Getting a practical experience in   * Using Generics. |
| Task | Create new project called TestGenerics3.  Add package “com.brainacad.oop.testgenerics3”.  Create a generic class MyMixer<T> with field as Array of some type, provide constructor with one parameters.  Add to MyMixer public “shuffle ()” method which shuffle elements of Array and return it;  Create a class Main with a main( ) method.  Add to method main() code that creates two Array of different types:  First one is array of Integer with values {1,2,3,4,5,6,7,8,9}  Second one is array of strings: {“one”,”two”, …}  Create two objects of MyMixer type and using each of arrays, invoke shuffle () method and print result to console.  Execute the program.  Example of program output:  [6,7,4,3,2,9,1,5,8]  [nine,one,two,five,…,] |
| Preparation | No special preparation |
| Execution\ methodology | Remind that student should apply his or her knowledge of:   * how to create generic class;   Execute following steps:   * Create generic class with one method * In method main() add create two object of generic class and provide all necessary code |
| Evaluation | * no special evaluation; |
| Closure | Issues discussion, on demand |
| Reporting | No special reporting |