

**Velammal College of Engineering and Technology, Madurai**  
**Department of Computer Science and Engineering**  
**Object oriented programming lab**

**Exercise 12**

Generic Programming

Team 1

1. Write java programs that include generic method to satisfy the following property.
  - a. To counts the number of odd integers in an integer list
  - b. To exchange the positions of two different elements in an array.
  - c. To find the maximal element in the range [begin, end] of a list.
2. Write a java program to perform sorting(ascending) from the given type of elements using a generic function.

Team 2

1. Write a program to perform the following operations on an array using generic classes
  - Add an element in the beginning/middle/end
  - Delete an element from a given position
2. Write a java program to find the minimum value from the given type of elements using a generic function.

Team 3

1. Write java programs that include generic method to satisfy the following property.
  - a. To counts the number of odd integers in an integer list
  - b. To exchange the positions of two different elements in an array.
  - c. To find the maximal element in the range [begin, end] of a list.
2. Write a java program to perform sorting(descending) from the given type of elements using a generic function.

Team 4

1. Write a program to perform the following operations on an array using generic classes
  - Add an element in the beginning/middle/end
  - Delete an element from a given position
2. Write a java program to find the maximum value from the given type of elements using a generic function.

Team 5

1. Write java programs that include generic method to satisfy the following property.
  - a. To counts the number of odd integers in an integer list
  - b. To exchange the positions of two different elements in an array.
  - c. To find the maximal element in the range [begin, end] of a list.
2. Write a java program to search an element from the given type of elements using a generic function.

#### Team 6

1. Write a program to perform the following operations on an array using generic classes
  - Add an element in the beginning/middle/end
  - Delete an element from a given position
2. Write a java program to find the minimum value from the given type of elements using a generic function.

#### Team 7

1. Write java programs that include generic method to satisfy the following property.
  - a. To counts the number of odd integers in an integer list
  - b. To exchange the positions of two different elements in an array.
  - c. To find the maximal element in the range [begin, end] of a list.
2. Write a java program to search an element from the given type of elements using a generic function.