Activity 6th June :

**1.** Write a Java program to create a generic method that takes two arrays of the same type and checks if they have the same elements in the same order.

**2.** Write a Java program to create a generic method that takes a list of numbers and returns the sum of all the even and odd numbers.

**3.** Write a Java program to create a generic method that takes a list of any type and a target element. It returns the index of the first occurrence of the target element in the list. Return -1 if the target element cannot be found.

**4.** Write a Java program to create a generic method that takes a list of any type and returns it as a new list with the elements in reverse order.

**5.** Write a Java program to create a generic method that takes two lists of the same type and merges them into a single list. This method alternates the elements of each list.

**6.** Write a Java program to create a generic method that takes a list of any type and a predicate. It returns an array list containing only elements that satisfy the predicate.

**7.** Write a Java program to create a generic method that takes a map of any type and prints each key-value pair.