

# Design & Analysis of Algorithms Laboratory

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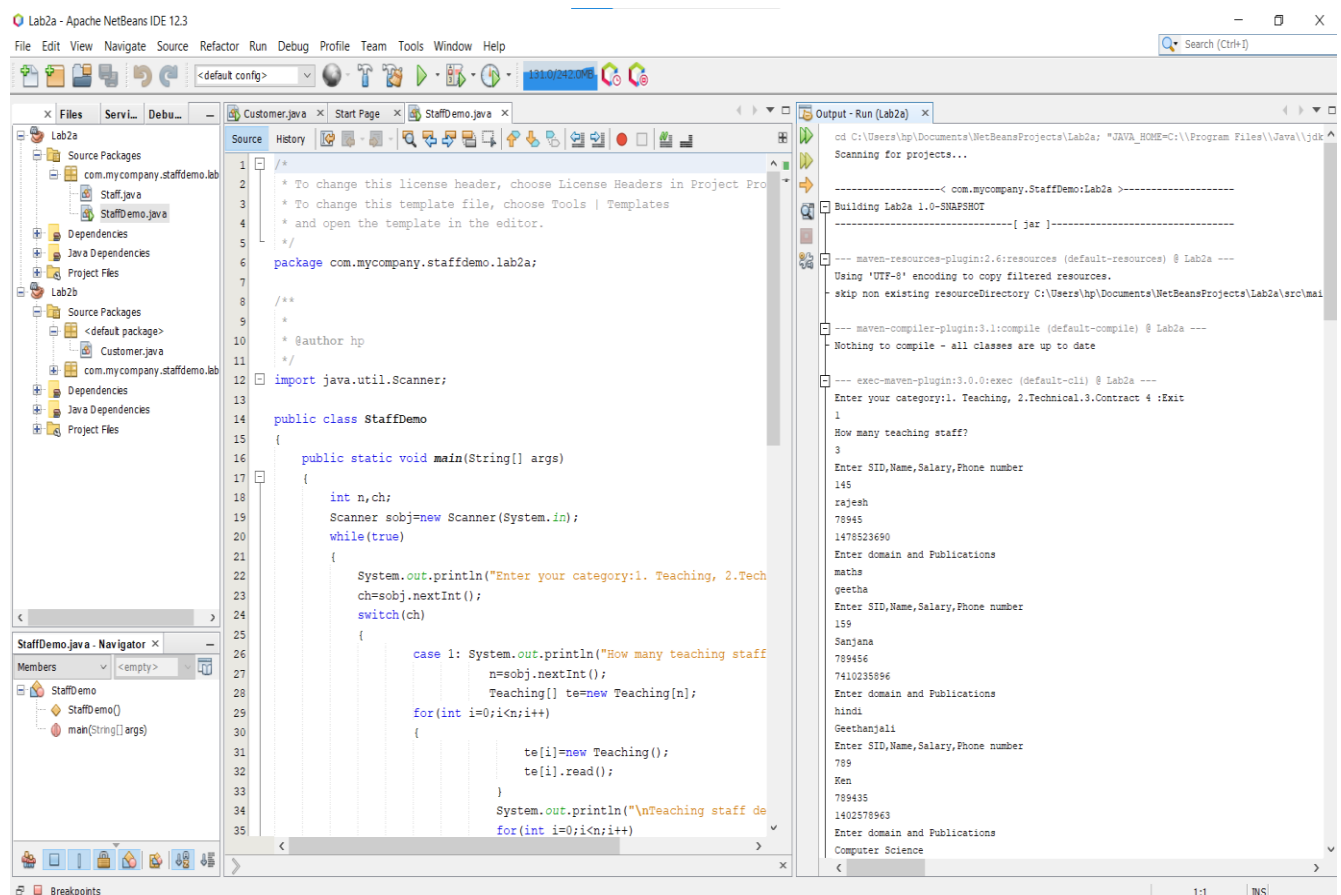
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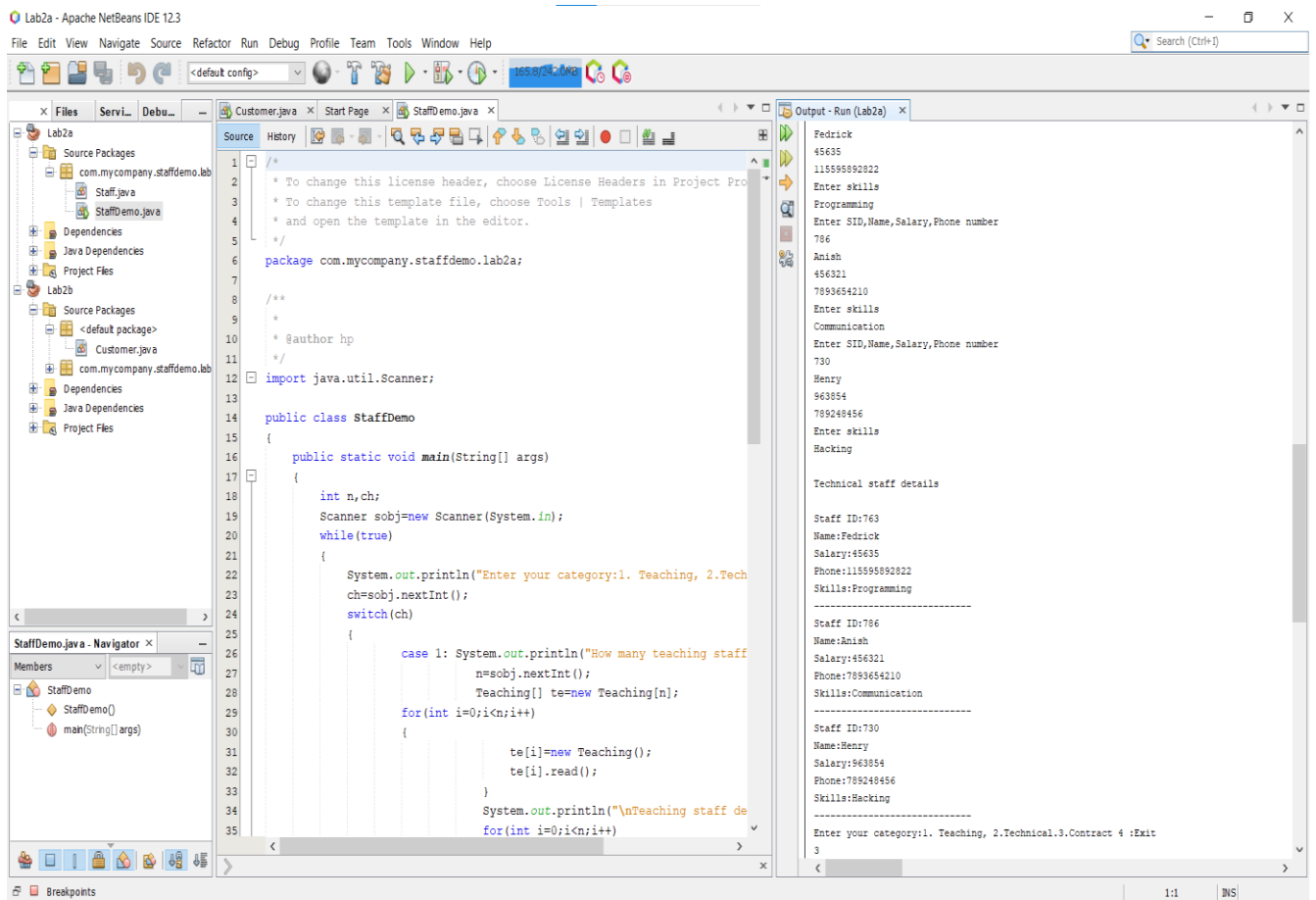
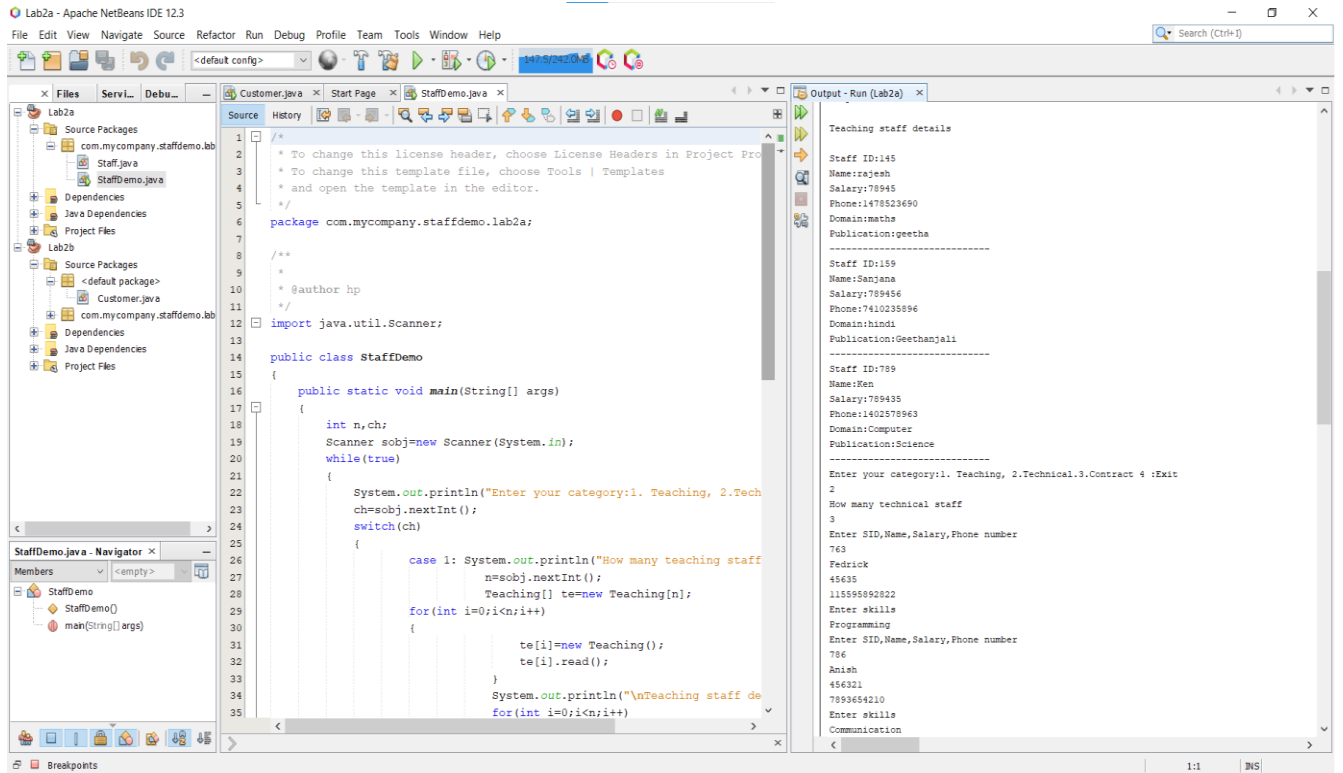
Semester: 4

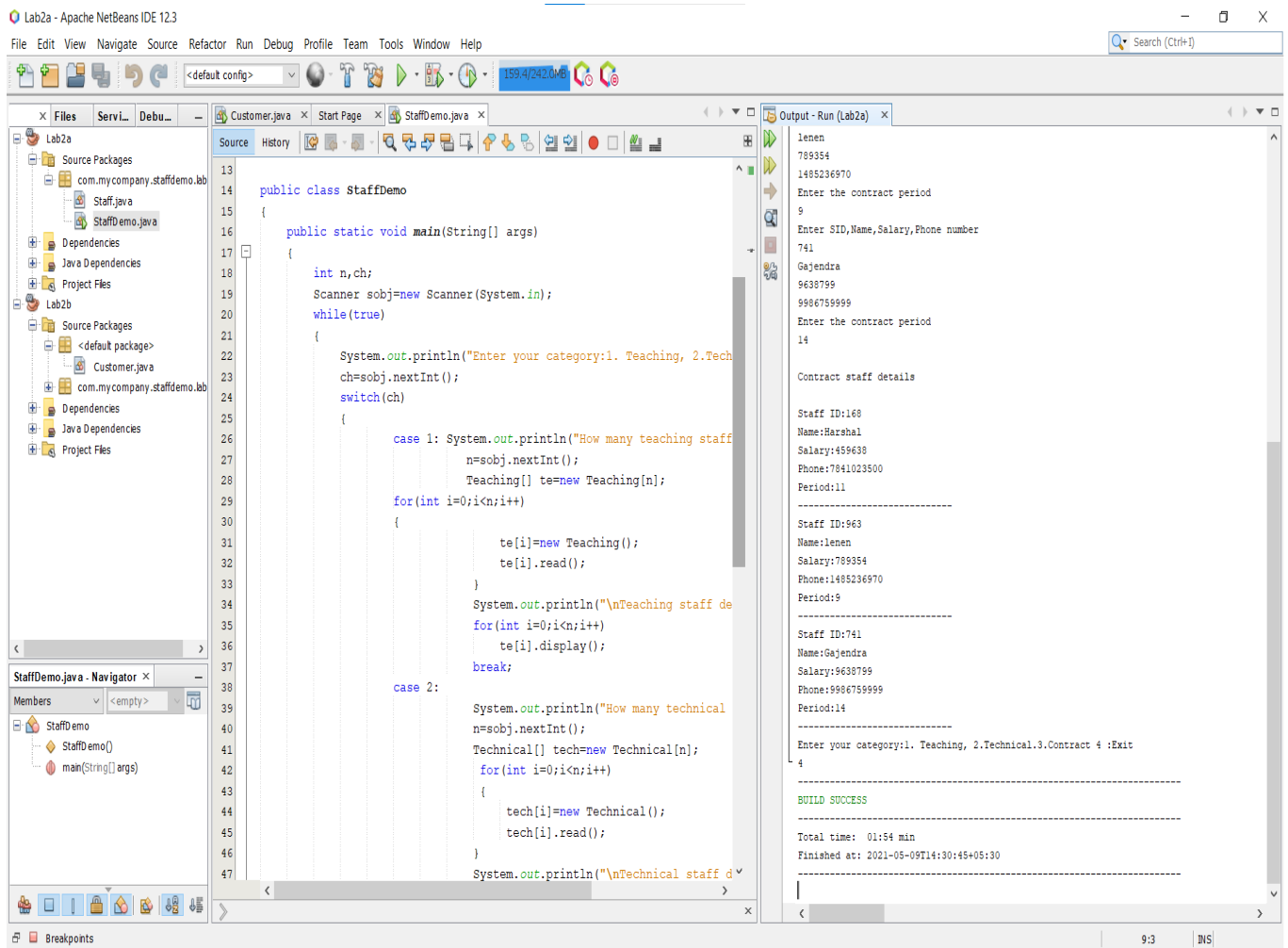
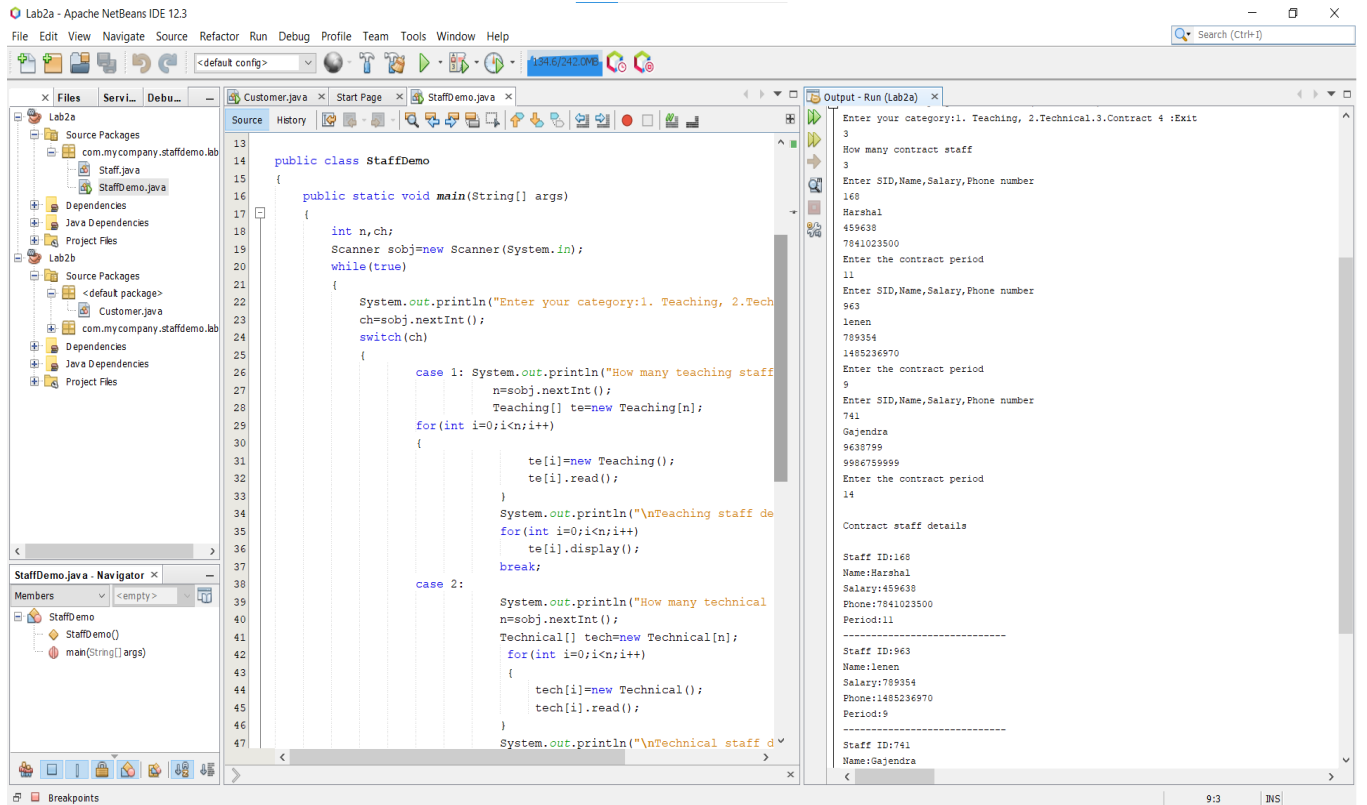
Section: A

**2a)** Design a super class called **Staff** with details as StaffId, Name, Phone, and Salary. Extend this class by writing three subclasses namely **Teaching** (domain, publications), **Technical** (skills), and **Contract** (period). Write a Java program to read and display at least 3 **staff** objects of all three categories.

## Screenshots of Program 2a:







**2b)** Write a Java class called **Customer** to store their name and date\_of\_birth. The date\_of\_birth format should be dd/mm/yyyy. Write methods to read customer data as <name, dd/mm/yyyy> and display as <name, dd, mm, yyyy> using StringTokenizer class considering the delimiter character as “/”

## Screenshots of Program 2b:

