

# Java Program to Sort Employees and Filter Students using Lambda

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```
import java.util.*;
import java.util.stream.*;

class Employee {
    String name;
    int age;
    double salary;

    Employee(String name, int age, double salary) {
        this.name = name;
        this.age = age;
        this.salary = salary;
    }

    @Override
    public String toString() {
        return name + " - Age: " + age + ", Salary: " + salary;
    }
}

public class Main {
    public static void main(String[] args) {
        List<Employee> employees = Arrays.asList(
            new Employee("John", 25, 50000),
            new Employee("Emma", 30, 75000),
            new Employee("Ava", 28, 60000)
        );

        // Sorting using lambda
        employees.sort((e1, e2) -> Double.compare(e1.salary, e2.salary));

        System.out.println("Sorted Employees:");
        employees.forEach(System.out::println);

        // Students filtering and sorting using lambda and streams
        List<Student> students = Arrays.asList(
            new Student("Alice", 80),
            new Student("Bob", 65),
            new Student("Charlie", 90),
            new Student("David", 70)
        );

        System.out.println("\nStudents scoring above 75%:");
        students.stream()
            .filter(s -> s.marks > 75)
            .sorted((s1, s2) -> Integer.compare(s2.marks, s1.marks))
            .forEach(s -> System.out.println(s.name + " - Marks: " + s.marks));
    }
}
```

```
    }  
}  
  
class Student {  
    String name;  
    int marks;  
  
    Student(String name, int marks) {  
        this.name = name;  
        this.marks = marks;  
    }  
}
```