

# PBLJ\_2.3

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SECTION:23-FS\_622B

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## PART A: Sorting Employee Objects Using Lambda Expressions

Output:

```
PS E:\Krish_Work\PBLJ_2.3> java PartA_EmployeeSort
Sort by name (alphabetically): [Alice | Age: 28 | Salary: 50000.0, Bob | Age: 35 | Salary: 70000.0, Charlie
Age: 30 | Salary: 60000.0]
Sort by age (ascending): [Alice | Age: 28 | Salary: 50000.0, Charlie | Age: 30 | Salary: 60000.0, Bob | Age:
35 | Salary: 70000.0]
Sorted by salary descending: [Bob | Age: 35 | Salary: 70000.0, Charlie | Age: 30 | Salary: 60000.0, Alice |
ge: 28 | Salary: 50000.0]
PS E:\Krish_Work\PBLJ_2.3>
```

## PART B: Filtering and Sorting Students Using Streams

Output:

```
PS E:\Krish_Work\PBLJ_2.3> java PartB_StudentFilterSort
Top students(marks > 75%.): [Alice, Charlie]
PS E:\Krish_Work\PBLJ_2.3>
```

## PART C: Stream Operations on Product Dataset

### Output:

```
PS E:\Krish_Work\PBLJ_2.3> java PartC_ProductStreamOps
Grouped by category: {Accessories=[Watch | Accessories | 7000.0], Clothing=[Shirt | Clothing | 1500.0, Jeans | Clothing | 2000.0], Electronics=[Laptop | Electronics | 80000.0, Phone | Electronics | 50000.0]}
Most expensive products: {Accessories=Optional[Watch | Accessories | 7000.0], Clothing=Optional[Jeans | Clothing | 2000.0], Electronics=Optional[Laptop | Electronics | 80000.0]}
Average price: 28100.0
PS E:\Krish_Work\PBLJ_2.3> 
```