1. Consider a list of items with each item having following properties.

Id – (Alphanumeric String) – (Unique)

Name (String)

Warranty (Boolean)

Category(String) – Enum (Mobile , Laptop , TV , Refrigerator )

Given the above list , Write a

category of items as input and filter the list based on it . Output should be List<List<Product>> where one list represents items with warranty and other without warranty .

Note : Use Functional interface and lambda expressions to implement filters and printing the list.

1. Write a function to find the numbers that have digit 9 in them from 1 to 1000 .

Use fork join framework to create tasks where each task can filter only 100 numbers.

1. Calculate sum of 1 to 30 integers .

Create 3 CompletableFuture instances each to calculate sum of 1 – 10 , 11-20,21-30 respectively and combine those results.