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● General instructions:

==>> Open the program in eclipse or other IDE for JAVA

==>> Start a new project and copy my code in a new class file.

==>> Run the program, and results should be in the console window

==>> There should be one table, it is the answer for first query.

● Data Structures:

==>>HashMap: a data structure used to implement an associative array, a structure that can map keys to values.

==>>Chosen reason:Considering the mapping between product and corresponding values,using HashMap can easily find relations.

==>>ArrayList: a data structure supports dynamic arrays that can grow as needed. Standard Java arrays are of a fixed length.

==>>Chosen reason:Considering no special requirements, using ArrayList, a basic collection data structure.