**Section 1: Define / Answer**

Static variables- static variable is a variable that has been allocated statically—whose lifetime or "extent" extends across the entire run of the program.

Static methods- Java static method program: static methods in Java can be called without creating an object of class.

SubString- This method has two variants and returns a new string that is a substring of this string. The substring begins with the character at the specified index and extends to the end of this string or up to endIndex - 1 if second argument is given.

Task 1-

**USE OBJECT ORIENTATED PROGRAM DESIGN TO SOLVE PROBLEM**

**$4.25 2 Shoes**

**$1.25 5 Socks**

Your program will take a text file containing 12 retail transactions and sum the total price of all items.

Separate operation of the program into “programmer created” classes.

**main** should simply operate the program.

1 Programmer class will read the date from a text file.

1 Programmer class will do the calculations

**Output**

**The total # of items purchased.**

**The total cost of all the items.**

Attach Snipping Photos of Source Code and Output, Original Text File, New Text File

