Product Details

**Grade settings**: Maximum grade: 100  
**Disable external file upload, paste and drop external content**: Yes  
**Run**: Yes **Evaluate**: Yes  
**Automatic grade**: Yes

**Scenario**

Avenue Mart has purchased products for their company. The supplier has provided the details of the purchased products in the form of a csv file . The SoftTech wants to generate a report on the purchased product details. Given the product details in a csv file, write a program to display the product details from the file.

**Implementation**

Create **Product**class with the following member variables

|  |  |
| --- | --- |
| **Data Type** | **Variable Name** |
| string | \_productName |
| string | \_serialNumber |
| DateTime | \_purchaseDate |
| double | \_cost |

Create 4 argument constructor with the following argument \_productName, \_serialNumber, \_purchaseDate, \_cost and override **ToString()**method. It must return product details in the specified format.

Create **Program**class.

Read the input file using StreamReader.

Read the lines from the input file and create product object by parsing the input. Add all the product object to the ArrayList.

Display all the objects in the array list in the specified format given below.

**Input and Output Format:**

The input file name must be "**input.csv**".

The input file consists of a set of product details in comma separated format in the order Product name, Serial Number, Purchase Date, Purchase Cost.

The Purchase date must be in (dd-mm-yyyy) format.

Use **String.Format("{0,-15}{1,-15}{2,-15}{3,-15}", "Product Name", "Serial Number", "Purchase Date", "Purchase Cost")**to format the output.

**Sample Output:**

Product Name      Serial Number            Purchase Date        Purchase Cost

HairTrimmer            HT123                     10-02-2017                    800

Steel Box                 SB231                     11-04-2018                   250

Rope                        RP240                     13-05-2019                   100