

Arab Academy for Science, Technology and
Maritime Transport-College of Computing &
Information Technology—Sheraton branch

Course : Problem Solving and
Programming

Examiner : Dr. Shereen A. Hussein



Tuesday-4

Academic Year : 2023/2024
Semester : Spring
Department : Computer Science
Time Allowed : 90 Minutes

Name :

Class :

Model (B)

15

Write a C program for each of the following problems:

(9 points)

1. An online retailer sells five different products whose retail prices are shown in the following Table. Using parallel arrays, read a series of product code and quantity in pairs.

Product	Retail Price
A	\$ 2.98
B	\$ 4.50
C	\$ 9.98
D	\$ 4.49
E	\$ 6.87

- a. double Product_Retail(char code, int quantity);
(this function is used to calculate the product retail)
- b. void Display_total(double x[], int n);
(used to calculate the total retail money of all products sold in one day)

2. Write a program to read a text file and find the number of lines.

(6 points)