

A photograph of a supermarket aisle. In the foreground, two metal shopping carts with red handles are filled with various groceries. The cart on the left contains a large bag of yellow corn, a box of orange and green vegetables, and a blue box with the text 'CON LA NAV' and 'DETALLES'. The cart on the right contains a large bag of yellow corn, a box of orange and green vegetables, and a blue box with the text 'CON LA NAV' and 'DETALLES'. In the background, shelves are stocked with various products, including a box of 'Ora' brand items. The floor is a light-colored tile.

BILLING IN A SUPERMARKET

Name: Ashwitha Kassetty
Class: 12 - A

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PROBLEM DEFENITION

SUPERMARKET BILLING (WHOLESALE)

A **supermarket**, a large form of the traditional grocery store, is a self-service shop offering a wide variety of food and household products. People go to supermarkets to purchase items of daily use. So there exists a need to calculate the products sold, in order to generate a bill for the customer.

The following C++ program enables the user, ie. the billing administrator to view, modify, delete or add new records (items) accordingly and calculate the total amount that has to be paid by the customer.



Hardware and Software Requirements

Hardware Requirements

Printer



Monitor



Mouse



Software Requirements

Microsoft word



C++



Notepad



STRUCTURE DEFINITION

S.no	Column name	Description	Column type	Column size	Example
1.	itemno	Item number	long int	50	2001
2.	price	Item price	float	50	5.00
3.	itemname	Item name	char	30	Milk
4.	weight	Item weight	char	10	1L
5.	stock	Quantity of items	int	50	40
6.	brand	Item brand	char	15	Al Rawabi

Coding:

```
struct shop
{
    long int itemno;
    float price;
    char itemname[30];
    char weight[10];
    int stock;
    char brand[15];
};
```

CONTENTS OF THE FILE

Sr.no	Item no.	Item name	Stock	Price	Brand	Weight/ Amount
1	2001	Milk	40	Dhs 5.00	Al Rawabi	1L
2	2002	Bread	34	Dhs 6.00	Al Marai	600g
3	2003	Sugar	26	Dhs 16.50	Elan	5kg
4	2004	Tea	45	Dhs 17.50	Lipton	20 x 20g
5	2005	Coffee	40	Dhs 35.75	Nescafe	100g
6	2006	Kinder Bueno Chocolate	66	Dhs 2.95	Kinder	43g
7	2007	Jam	34	Dhs 8.00	Fruitessa	420g
8	2008	Orange juice	25	Dhs 15.00	Florida' s Natural	1.8L
9	2009	Cornflakes	33	Dhs 22.65	Kelloggs	725g
10	2010	Mixed nuts pack	63	Dhs 14.60	Crunchos	300g

BIBLIOGRAPHY

Programming language used: Borland C++

These are the books and websites I have referred to complete this project. These have proved to be very useful in this project, which will help you for future reference.

Books referred:

- Computer Science Volume II by A. K. Sharma
- Computer Science Volume II by Sumita Arora

Websites referred:

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