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| **Supermarket Cashier System in C++**  **Requirements:**  Your task is to design a cashier system for a supermarket. The price list of products in the store is shown below:   |  |  |  | | --- | --- | --- | | **Item** | **Barcode** | **Price** | | Milk | 0120001 | 10.50 | | Bread | 120002 | 5.50 | | Chocolate | 120003 | 8.00 | | Towel | 120004 | 12.10 | | Toothpaste | 120005 | 6.75 | | Soap | 120006 | 5.20 | | Pen | 120007 | 2.00 | | Biscuits | 120008 | 4.45 | | Lamp | 120009 | 20.50 | | Battery | 120010 | 10.00 |   The system should then prompt the user to enter barcodes, in the form of one entry per line. For each barcode entry, the system will search the database and locate the item’s name and price. If no match can be found, the program should display an error message. The barcode entry process should repeat until the user enters ‘F’ to finish, and then the total price should be calculated and displayed. Sample output may be:    The system will then ask for the required payment and calculate any resulting change. If an insufficient amount of payment has been received, the system should prompt for more payment. Sample output:    Upon completion, prompt for the next customer and repeat the same process as above. Sample output: |