The County Museum runs a small gift shop that is staffed by volunteers and called “Museum Mercantile.” The museum purchases products from vendors that specialize in handcrafted products and vintage merchandise. The director of the museum has asked you to create and update a database that volunteers can use. The database consists of two tables:

The **Product** table contains information on items available for sale.

The **Vendor** table contains information on the vendors.

**Instructions:**

1. Create a New Blank database in which to store all the objects related to the gift shop data (database name: [yourlastname])
2. In Design View, create the Product table using the structure shown below:
   1. Name the table: Product initials
   2. Set the “Product ID” field as the Primary Key

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Field Size |
|  |  |  |
| Product ID | Short Text | 4 |
| (Primary Key) |  |  |
|  |  |  |
| Description | Short Text | 25 |
|  |  |  |
| On Hand | Number | Long Integer |
|  |  |  |
| Cost | Currency |  |
|  |  |  |
| Selling Price | Currency |  |
|  |  |  |
| Vendor Code | Short Text | 2 |

1. add the data below to the “Product initials” table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Product |  | On Hand |  | Selling | Vendor Code |
| ID | Description |  | Cost | Price |  |
|  |  |  |  |  |  |
| CH04 | Chess Set | 11 | $26.75 | $28.90 | WW |
|  |  |  |  |  |  |
| DI24 | Dinosaurs | 14 | $3.75 | $4.95 | MS |
|  |  |  |  |  |  |
| GL18 | Globe | 2 | $27.50 | $29.95 | MS |
|  |  |  |  |  |  |
| JG01 | Jigsaw Puzzle | 3 | $5.40 | $6.95 | MS |
|  |  |  |  |  |  |
| PC03 | Pick Up Sticks | 5 | $8.50 | $10.95 | WW |
|  |  |  |  |  |  |
| ST23 | Stationery | 8 | $3.95 | $5.00 | AR |
|  |  |  |  |  |  |
| TD05 | Tiddlywinks | 6 | $13.75 | $15.95 | WW |
|  |  |  |  |  |  |
| WI10 | Wizard Cards | 10 | $7.50 | $9.95 | MS |
|  |  |  |  |  |  |
| WL34 | Wildlife Posters | 15 | $2.50 | $2.95 | AR |
|  |  |  |  |  |  |
| YO12 | Wooden Yo-yo | 9 | $1.60 | $1.95 | WW |
|  |  |  |  |  |  |

1. In Design View, create the Vendor table
   1. Name the table: Vendor initials
   2. Set the “Vendor Code” field as the Primary Key

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Field Size |
|  |  |  |
| Vendor Code | Short Text | 2 |
|  |  |  |
| Company | Short Text | 20 |
|  |  |  |
| Street Address | Short Text | 15 |
|  |  |  |
| City | Short Text | 15 |
|  |  |  |
| State | Short Text | 2 |
|  |  |  |
| Zip Code | Short Text | 9 |
|  |  |  |
| Telephone Number | Short Text | 15 |
|  |  |  |

1. Create a form using the Form Wizard based on the “Vendor initials” table
   1. Use All Fields
   2. Layout: Columnar
   3. Form Name: Vendor
2. Add the following records using the Form:

(Your field data will not wrap around in the field as shown below)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Vendor |  | Street |  |  |  | Telephone |
| Code | Company | Address | City | State | Zip Code | Number |
|  |  |  |  |  |  |  |
| AR | Artisan’s Co-op | 3540 | Hancock | WI | 69780 | 414-555-7865 |
|  |  | Grand |  |  |  |  |
|  |  |  |  |  |  |  |
| MS | Museum Stores | 134 Union | Delana | SD | 41345 | 605-555-3498 |
|  |  |  |  |  |  |  |
| WW | Woodworkers | 655 Clive | Great | WV | 34567 | 304-555-4532 |
|  |  |  | Falls |  |  |  |
|  |  |  |  |  |  |  |

1. When you have finished adding the records, save the form as “Vendor”
2. Modify the “Product initials” table by adding the following record:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Product ID |  | On Hand |  | Selling | Vendor Code |
|  | Description |  | Cost | Price |  |
|  |  |  |  |  |  |
| MN04 | Your Name (Example: | 4 | $17.50 | $21.95 | WW |
|  | Janet Learner) |  |  |  |  |

1. Delete the record for “Product ID GL18” in the “Product initials” table
2. Change the quantity on hand for “Product ID DI24” to 20
3. The Vendor Code for “ST23” was incorrectly entered initially; change the Code to “WW”
4. Modify the “Vendor initials” table by changing Vendor Code WW’s Name from “Woodworkers” to Your Name (Example: Janet Learner)
5. Perform the following queries; note that each query is a new query – design and run each one as a new query (name them Query 1 and Query 2, accordingly):
   1. **Query 1**: Create a query from the “Product initials” table to

Display the Product ID, Description, Cost, and Vendor Code for all products where the Vendor Code is MS and All products whose description begins with the letters “Wi”

* 1. **Query 2**: Create a query From the “Product initials” table: Display all fields where Products that cost more than $10 and where the number of units on hand is less than 10

C. **Query 3:** create query from the “Product initials” that show that total

profits to be made from each of the items on Hand.