

INVOICE BILLING SYSTEM

TABLE DESIGN:

CUSTOMER TABLE:

CustomerID	Name	MobileNumber	Balance
1	Akshaya	7373611199	16.25
2	Amritha	7373911199	3.40
3	Seetha	9897868787	7.50
4	Ajitha	6576875646	3.50
5	Tharanya	4565768798	6.00
6	Roshini	9089342312	8.50
7	Manju	8796875676	70.00
8	Sakkaravarthy	9342312567	8.00
9	Minerva	9675645342	0.00
10	Hazel	9645786677	56.00

ITEM TABLE:

ItemID	ItemName	Unit	Rate
1	Pencil	pcs	5.00
2	Scale	pcs	10.00
3	DiaryMilk	pcs	10.00
4	KitKat	pcs	15.00
5	Munch	pcs	20.00
6	Notebook	-	45.00
7	Rice	kg	40.00
8	InkBottle	-	30.00
9	PenStand	pcs	30.00
10	Eraser	pcs	10.00
11	Mirror	pcs	60.00

INVOICE TABLE:

InvoiceID	CustomerID	Date	SubTotal	Discount	Total	PaidAmount
1	1	2024-07-22	175.00	8.75	166.25	150.00
2	2	2024-07-22	20.00	1.60	18.40	15.00
3	3	2024-07-22	50.00	2.50	47.50	40.00
4	4	2024-07-22	130.00	6.50	123.50	120.00
5	5	2024-07-22	80.00	4.00	76.00	70.00
6	6	2024-07-22	30.00	1.50	28.50	20.00
7	7	2024-07-22	300.00	30.00	270.00	200.00
8	8	2024-07-22	200.00	12.00	188.00	180.00
9	9	2024-07-22	20.00	1.00	19.00	19.00
10	10	2024-07-22	480.00	24.00	456.00	400.00

INVOICE DETAILS TABLE:

DetailID	InvoiceID	ItemID	Quantity	Price
1	1	12	5	100.00
2	1	1	2	10.00
3	1	4	1	15.00
4	1	10	1	10.00
5	1	2	1	10.00
6	1	9	1	30.00
7	2	3	2	20.00
8	3	1	10	50.00
9	4	5	2	40.00
10	4	6	2	90.00

OUTPUT:

AKS Store

Create Invoice

Check Balance

View Invoice By ID

View All Invoices

View Item Sales

Create Item

1. CREATE INVOICE:

Invoice Billing

AKS STORE

Enter Mobile Number

7373911199

Enter

Customer ID

2

New Registration. Enter Details below.

Customer Name

Amritha

Initial Balance

0

Discount

8

Done

Invoice ID : 2

Enter Item

Quantity

Add Item

Update Item

Delete Item

Item Added Successfully

Amount to be Paid

18.4

Check

Paid Amount

15

Create Invoice

View Invoice

Invoice Created successfully

2. CHECK BALANCE

Customer Balance

Customer Name: Akshaya

Customer Balance: 16.25

OK

3. VIEW INVOICE BY ID

Bill

AKS STORE

Date2024-07-22

Customer ID1

View Bill

Customer NameAkshayaInvoice ID1

Mobile Number7373611199

Item Name	Quantity	Unit	Rate	Price
Pen	5	pcs	20.0	100.0
Pencil	2	pcs	5.0	10.0
KitKat	1	pcs	15.0	15.0
Eraser	1	pcs	10.0	10.0
Scale	1	pcs	10.0	10.0
PenStand	1	pcs	30.0	30.0

Amount Paid150.0

Balance Due16.25

Sub Total175.0

Discount8.75

Total166.25

4. VIEW ALL INVOICES

Invoice ID	Customer Name	Date	Total	Paid Amount
1	Akshaya	2024-07-22	166.25	150.0
2	Amritha	2024-07-22	18.4	15.0
3	Seetha	2024-07-22	47.5	40.0
4	Ajitha	2024-07-22	123.5	120.0
5	Tharanya	2024-07-22	76.0	70.0
6	Roshini	2024-07-22	28.5	20.0
7	Manju	2024-07-22	270.0	200.0
8	Sakkaravarthy	2024-07-22	188.0	180.0
9	Minerva	2024-07-22	19.0	19.0
10	Hazel	2024-07-22	456.0	400.0

5. VIEW ITEM SALES

View Item Sales		
Item Name	Total Quantity	Total Sales
Pencil	14	70.0
Scale	1	10.0
DiaryMilk	4	40.0
KitKat	1	15.0
Munch	2	40.0
Notebook	12	540.0
Rice	7	280.0
InkBottle	1	30.0
PenStand	1	30.0
Eraser	1	10.0
Pen	21	420.0

6. CREATE ITEM

Create Item

Item Name

Pen

Enter

This Item is already created

Item ID

12

Item Unit

pcs

Item Rate

20.0

Add Item

Update Item

Item Added.Item ID:12

MAIN CONSOLE OUTPUT:

```
Invoice Billing System
1. Create Invoice
2. View All Invoices
3. View Invoice by ID
4. View Customer Balance
5. View Item Sales
6. Create Item
7. Exit
```

1. CREATE INVOICE OUTPUT:

```
Choose an option: 1
Enter Customer's Mobile Number: 7373211199
Enter Customer Name: Ajitha
Enter Discount: 5
1. Add Item
2. Update Item
3. Delete Item
4. Finish
Choose an option: 1
Enter Item Name: Pen
Enter Quantity: 2
1. Add Item
2. Update Item
3. Delete Item
4. Finish
Choose an option: 2
Enter Item Name: Pen
Enter Quantity to Update: 3
1. Add Item
2. Update Item
3. Delete Item
4. Finish
Choose an option: 1
Enter Item Name: 5star
Item Name entered is not valid
1. Add Item
2. Update Item
3. Delete Item
4. Finish
Choose an option: 1
Enter Item Name: kitkat
Enter Quantity: 2

1. Add Item
2. Update Item
3. Delete Item
4. Finish
Choose an option: 3
Enter Item Name: kitkat
1. Add Item
2. Update Item
3. Delete Item
4. Finish
Choose an option: 4
AMOUNT TO BE PAID: 55.0
Enter Paid Amount: 50
Invoice created successfully.
Initial Balance: 0.0
InvoiceID: 5
Customer Name: Ajitha
Date: 2024-07-18
Item Name      Quantity  Unit    Rate    Price
Pen            3         pcs     20.00   60.00
SubTotal: 60.00
Discount: 0.00
Total: 55.00
Paid Amount: 50.0
Balance Due: 5.0
```

2. VIEW ALL INVOICES OUTPUT:

```
Choose an option: 2
InvoiceID Customer Name      Date      Total
1         Akshaya           2024-07-18 48.00
2         Seetha            2024-07-18 57.00
3         Gayatri           2024-07-18 15.00
4         Akshaya           2024-07-18 0.00
5         Ajitha            2024-07-18 55.00
```

3. VIEW INVOICE BY ID

```
Choose an option: 3
Enter Invoice ID: 1
InvoiceID: 1
Customer Name: Akshaya
Date: 2024-07-18
Item Name      Quantity  Unit   Rate   Price
KitKat         2         pcs    15.00  30.00
Pen            1         pcs    20.00  20.00
SubTotal: 50.00
Discount: 0.00
Total: 48.00
```

4. VIEW CUSTOMER BALANCE

```
Choose an option: 4
Enter Customer's Mobile Number: 7373611199
Customer's Balance Due: 13.0
```

5. VIEW ITEM SALES

```
Choose an option: 5
Item Name      Total Quantity Total Sales
KitKat         2             30.00
Pen            7            140.00
Scale          1             10.00
DairyMilk      1             10.00
Pencil         1              5.00
```

6. CREATE ITEM

```
Choose an option: 6
Enter Item Name: NOTEBOOK
Enter Unit: -
Enter Rate: 45
Item created successfully
```