

## Access 2007 – Exercise 07

**Customer Table**

Account_No	Customer_Name	Customer_Type	Address
A001	Mr. A.B. Perera	Platinum	No 30, Main Street, Kandy
A002	Mrs. P. De Silva	Golden	No 23, Queen Street, Kandy
A003	Mr. K. Sampath	Silver	No 14, Lake Street, Kandy
A004	Mr. W. Sameera	Golden	No 25, Gamunu Mawata, Kandy

**Rates Table**

Customer_Type	Discount_Rate
Silver	5%
Golden	8%
Platinum	10%

**Transaction Table**

Account_No	Month	Balance	Amount
A001	June	10350	11147
A002	June	4645	4456
A001	July	6070	26556
A002	July	2230	7889

- [1] Prepare above table structures using appropriate data types. Use lookups where necessary.
- [2] Define a suitable primary key for each table.
- [3] Import data from given excel files. (If you cannot import them, don't waste your time to type them, Do other things.
- [4] Create a data form to Customer and Rates tables and add above records.
- [5] Identify proper primary key – Foreign key pairs and define relationships between them.
- [6] Create a query to calculate total payment for each customer.

Note :

**Total payment = Balance + Amount - Discount**

**Discount = Discount\_Rate \* Amount**

**If Customer\_Type = "Silver" then Discount\_Rate = 5%**

**If Customer\_Type = "Golden" then Discount\_Rate = 8%**

**If Customer\_Type = "Platinum" then Discount\_Rate = 10%**

- [7] Create a data form to query and add above records (Third table).
- [8] Prepare a report to print monthly bill for each customer. In your report summary, sum of amounts, sum of surcharges and total income should be shown.