

Access 2007 – Exercise 06

Customer Table

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

Rates Table

Customer_Type	0_90_units	Above_90_units	Surcharge
House_hold	15	25	60%
Industrial	22	35	90%

Meter Table

Account_No	Month	Balance	Start_Meter	End_Meter
A001	June	350	147	256
A002	June	45	456	789
A001	July	670	256	432
A002	July	230	789	987

- [1] Prepare above table structures using appropriate data types. Use lookups where necessary.
- [2] Define a suitable primary key for each table.
- [3] Create a data form to customer table and add above records.
- [4] Identify proper primary key – Foreign key pairs and define relationships between them.
- [5] Create a query to calculate monthly bill for each customer.

Note :

Total Amount = Balance + Current month charge + Surcharge

Units Consumed = End_Meter - Start_Meter

If units > 90, Surcharge will be applied for the first 90 units else it is zero.

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