Code Description.

Customer Bills

Description: This procedure calculates the bill of a customer within a specified period of time. The input parameters are the customer phone number, start date and end date of the period of time. Necessary validation is done on the phone number, start date and end date. We create a table and insert all the necessary call details of the customer needed to calculate his bill and the call rates for the period of time. We do our necessary calculation based on the rates and the result go back into the table. We then select from the table to output the result.

Monthly sales rep commission

ROUND(SUM(c.commissionamt), 2)

Author---Group -----

Description: This procedure calculates the monthly commission for sales representative.

The input parameter are the start date and end date of the particular period of time. We first get the necessary details of the customers needed for our calculation. We then create a new table and dump the customer details inside the table.

We iterate through the table to calculate the commission amount for each customer based on call details and time of call (peak or off peak). We then update our table with the commission amount and then do a select on the table grouping by the sales rep ID to output the result.

Add new Customer

This procedure is to add a new customer into our customer table. The input parameters are the customer necessary details. We first check if the customer exists in the customer table by using the customer phone number. Once this is done and the customer does not exist, we insert the customer details into the customer table.

Export Call Rates

This procedure exports the call rates of a particular service rendered and the country. The input parameters are the source country and the service name. From the input parameters, we get the country service ID from the country service table and the maximum effective call rate on the rates table. Once this is done, we do a select to get the rates and we output the result.

Monthly Traffic Summary

This procedure is to generate the monthly traffic summary from all the calls in a particular month. The input parameters are the start date and end date of the month. We do a straight select on the call details table with the input parameters to get the traffic summary and we output the result.

Generate Call Details

This procedure generates the call details of a particular customer for a particular period of timeSt. The input parameters are the customer phone number, start date and end date of the period of time to be generated. We first validate the phone number of the customer and also the 2 dates parameters. Then we do a select on the call details table to generate the call details of the customer.