



Exercise: 11

Triggers and Cursors

15- May- 2023

On the Spot Exercise (5 Marks)

1. Consider the following relational schema that manages the telephone bills of a mobile phone company.

CUSTOMER (SSN, Name, Surname, PhoneNum, Plan)

PRICINGPLAN (Code, ConnectionFee, PricePerSecond)

PHONECALL (SSN, Date, Time, CalledNum, Seconds)

BILL (SSN, Month, Year, amount)

Write a trigger that after each phone call updates the customer's bill.

We make the assumption that the bills to be updated are always already present in the database. In order to do this, we can create another trigger that creates a bill with an amount of 0 for each registered customer at the beginning of each month (suppose we have the event END_MONTH).