**SALES REPORT GENERATOR DATASET**

drop table if exists salary;  
create table salary

( emp\_id int,

emp\_name varchar(30),

base\_salary int

);

insert into salary values(1, 'Rohan', 5000);

insert into salary values(2, 'Alex', 6000);

insert into salary values(3, 'Maryam', 7000);

drop table if exists income;

create table income

( id int,

income varchar(20),

percentage int

);

insert into income values(1,'Basic', 100);

insert into income values(2,'Allowance', 4);

insert into income values(3,'Others', 6);

drop table if exists deduction;

create table deduction

( id int,

deduction varchar(20),

percentage int

);

insert into deduction values(1,'Insurance', 5);

insert into deduction values(2,'Health', 6);

insert into deduction values(3,'House', 4);

drop table if exists emp\_transaction;

create table emp\_transaction

(

emp\_id int,

emp\_name varchar(50),

trns\_type varchar(20),

amount numeric

);

insert into emp\_transaction

select s.emp\_id, s.emp\_name, x.trns\_type

, case when x.trns\_type = 'Basic' then round(base\_salary \* (cast(x.percentage as decimal)/100),2)

when x.trns\_type = 'Allowance' then round(base\_salary \* (cast(x.percentage as decimal)/100),2)

when x.trns\_type = 'Others' then round(base\_salary \* (cast(x.percentage as decimal)/100),2)

when x.trns\_type = 'Insurance' then round(base\_salary \* (cast(x.percentage as decimal)/100),2)

when x.trns\_type = 'Health' then round(base\_salary \* (cast(x.percentage as decimal)/100),2)

when x.trns\_type = 'House' then round(base\_salary \* (cast(x.percentage as decimal)/100),2) end as amount

from salary s

cross join (select income as trns\_type, percentage from income

union

select deduction as trns\_type, percentage from deduction) x;

select \* from salary;

select \* from income;

select \* from deduction;

select \* from emp\_transaction;

**Problem statement:** Using the given salary, income and deduction tables, first write an SQL query to populate the Emp\_transaction and then, generate a salary report