1Q)

SELECT sum(transaction\_amt) as total\_new\_business\_revenue,TRANSACTION\_TYPE FROM insurance\_dim.business\_transaction\_rule WHERE TRANSACTION\_TYPE='NB' and date like '%2011%';

3Q)

select distinct a.agent\_name,b.transaction\_type,b.sum from agent\_dim a join (select \*,sum(TRANSACTION\_AMT) as sum from business\_transaction\_rule where transaction\_type='NB' group by agent\_id) b on a.agent\_id=b.agent\_id;

5Q)

select distinct a.agent\_name,transaction\_type,renewals\_total from agent\_dim a join (select \*,sum(TRANSACTION\_AMT) as renewals\_total from business\_transaction\_rule where transaction\_type='REN' group by agent\_id ) b on a.agent\_id=b.agent\_id order by renewals\_total DESC limit 3;

6)

select a.type,sum(transaction\_amt) from agent\_dim a join (select agent\_id,transaction\_amt,READY\_INDICATOR from business\_transaction\_rule ) b on a.agent\_id=b.agent\_id where a.type in ('EXC','IND') and b.ready\_indicator!='0' group by a.type;

Customer

-- MySQL Workbench Forward Engineering

SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0;

SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0;

SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='ONLY\_FULL\_GROUP\_BY,STRICT\_TRANS\_TABLES,NO\_ZERO\_IN\_DATE,NO\_ZERO\_DATE,ERROR\_FOR\_DIVISION\_BY\_ZERO,NO\_ENGINE\_SUBSTITUTION';

-- -----------------------------------------------------

-- Schema insurance

-- -----------------------------------------------------

-- -----------------------------------------------------

-- Schema insurance

-- -----------------------------------------------------

CREATE SCHEMA IF NOT EXISTS `insurance` DEFAULT CHARACTER SET utf8mb4 COLLATE utf8mb4\_0900\_ai\_ci ;

USE `insurance` ;

-- -----------------------------------------------------

-- Table `insurance`.`agent\_details`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `insurance`.`agent\_details` (

`AGENT\_ID` INT(4) NULL,

`AGENT\_NAME` VARCHAR(16) NULL DEFAULT NULL,

`ADDRESS` VARCHAR(19) NULL DEFAULT NULL,

`LOCATION\_ID` INT(1) NULL DEFAULT NULL,

`PINCODE` INT(6) NULL DEFAULT NULL,

`TYPE` VARCHAR(3) NULL DEFAULT NULL,

`DATE` DATETIME NULL DEFAULT NULL)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

-- -----------------------------------------------------

-- Table `insurance`.`customer\_details`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `insurance`.`customer\_details` (

`CUSTOMER\_ID\_BK` INT(10) NULL,

`CUSTOMER\_FIRST\_NAME` VARCHAR(45) NULL DEFAULT NULL,

`CUSTOMER\_SECOND\_NAME` VARCHAR(45) NULL DEFAULT NULL,

`CUSTOMER\_ADDRESS` VARCHAR(45) NULL DEFAULT NULL,

`PINCODE` INT(10) NULL DEFAULT NULL,

`DATE` DATETIME NULL DEFAULT NULL,

`CUSTOMER\_DOB` DATETIME NULL DEFAULT NULL)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

-- -----------------------------------------------------

-- Table `insurance`.`location`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `insurance`.`location` (

`LOCATION\_ID` INT(10) NULL,

`CITY` VARCHAR(45) NULL DEFAULT NULL,

`STATE` VARCHAR(45) NULL DEFAULT NULL,

`COUNTRY` VARCHAR(45) NULL DEFAULT NULL)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

-- -----------------------------------------------------

-- Table `insurance`.`stg\_transaction`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `insurance`.`stg\_transaction` (

`READY\_INDICATOR` BIT(1) NULL,

`CUSTOMER\_ID` INT(10) NULL,

`TRANSACTION\_ID` INT(10) NULL,

`AGENT\_ID` INT(10) NULL DEFAULT NULL,

`TRANSACTION\_TYPE` VARCHAR(45) NULL DEFAULT NULL,

`TRANSACTION\_AMT` INT(10) NULL DEFAULT NULL,

`DATE` DATETIME NULL DEFAULT NULL,

`SALES\_CHANNEL` VARCHAR(45) NULL DEFAULT NULL,

`PAYMENT\_METHOD` VARCHAR(45) NULL DEFAULT NULL)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

SET SQL\_MODE=@OLD\_SQL\_MODE;

SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS;

SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS;

-- MySQL Workbench Forward Engineering

SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0;

SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0;

SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='ONLY\_FULL\_GROUP\_BY,STRICT\_TRANS\_TABLES,NO\_ZERO\_IN\_DATE,NO\_ZERO\_DATE,ERROR\_FOR\_DIVISION\_BY\_ZERO,NO\_ENGINE\_SUBSTITUTION';

-- -----------------------------------------------------

-- Schema insurance\_dim

-- -----------------------------------------------------

-- -----------------------------------------------------

-- Schema insurance\_dim

-- -----------------------------------------------------

CREATE SCHEMA IF NOT EXISTS `insurance\_dim` DEFAULT CHARACTER SET utf8mb4 COLLATE utf8mb4\_0900\_ai\_ci ;

USE `insurance\_dim` ;

-- -----------------------------------------------------

-- Table `insurance\_dim`.`location\_dim`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `insurance\_dim`.`location\_dim` (

`LOCATION\_ID` INT(10) NOT NULL,

`CITY` VARCHAR(45) NULL DEFAULT NULL,

`STATE` VARCHAR(45) NULL DEFAULT NULL,

`COUNTRY` VARCHAR(45) NULL DEFAULT NULL)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

-- -----------------------------------------------------

-- Table `insurance\_dim`.`agent\_dim`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `insurance\_dim`.`agent\_dim` (

`AGENT\_ID` INT(10) NOT NULL,

`AGENT\_NAME` VARCHAR(16) NULL DEFAULT NULL,

`ADDRESS` VARCHAR(50) NULL DEFAULT NULL,

`LOCATION\_ID` INT(10) NULL DEFAULT NULL,

`PINCODE` INT(10) NULL DEFAULT NULL,

`TYPE` VARCHAR(3) NULL DEFAULT NULL,

`AGENT\_DIM\_SK` INT(10) NOT NULL AUTO\_INCREMENT,

`scd\_start` DATETIME NOT NULL,

`scd\_end` DATETIME NULL DEFAULT NULL,

`scd\_version` INT(10) NOT NULL,

`scd\_active` BIT(1) NOT NULL,

PRIMARY KEY (`AGENT\_DIM\_SK`),

CONSTRAINT `LOCATION\_ID`

FOREIGN KEY ()

REFERENCES `insurance\_dim`.`location\_dim` ()

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB

AUTO\_INCREMENT = 14

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

-- -----------------------------------------------------

-- Table `insurance\_dim`.`calendar\_dim1`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `insurance\_dim`.`calendar\_dim1` (

`DATE\_KEY` INT(11) NOT NULL AUTO\_INCREMENT,

`WEEKDAY\_NUM` INT(11) NOT NULL,

`YEAR` INT(11) NOT NULL,

`MONTH` INT(11) NOT NULL,

`DAY` INT(11) NOT NULL,

`WEEKDAY` VARCHAR(45) NOT NULL,

`MONTH\_WORDS` VARCHAR(45) NOT NULL,

`DATE` DATETIME NOT NULL,

PRIMARY KEY (`DATE\_KEY`))

ENGINE = InnoDB

AUTO\_INCREMENT = 1462

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

-- -----------------------------------------------------

-- Table `insurance\_dim`.`customer\_dim`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `insurance\_dim`.`customer\_dim` (

`CUSTOMER\_ID\_BK` INT(10) NOT NULL,

`CUSTOMER\_FIRST\_NAME` VARCHAR(45) NULL DEFAULT NULL,

`CUSTOMER\_SECOND\_NAME` VARCHAR(45) NULL DEFAULT NULL,

`CUSTOMER\_ADDRESS` VARCHAR(45) NULL DEFAULT NULL,

`PINCODE` INT(10) NULL DEFAULT NULL,

`CUSTOMER\_DOB` DATETIME NULL DEFAULT NULL,

`CUSTOMER\_ID\_SK` INT(11) NOT NULL AUTO\_INCREMENT,

`scd\_active` BIT(1) NOT NULL,

`scd\_start` DATETIME NOT NULL,

`scd\_end` DATETIME NULL DEFAULT NULL,

`scd\_version` INT(1) NOT NULL,

PRIMARY KEY (`CUSTOMER\_ID\_SK`))

ENGINE = InnoDB

AUTO\_INCREMENT = 10

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

-- -----------------------------------------------------

-- Table `insurance\_dim`.`policay\_fact`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `insurance\_dim`.`policay\_fact` (

`TRANSACTION\_ID` INT(10) NOT NULL,

`TRANSACTION\_TYPE` VARCHAR(45) NULL DEFAULT NULL,

`TRANSACTION\_AMT` INT(10) NULL DEFAULT NULL,

`SALES\_CHANNEL` VARCHAR(45) NULL DEFAULT NULL,

`PAYMENT\_METHOD` VARCHAR(45) NULL DEFAULT NULL,

`CUSTOMER\_ID\_SK` INT(10) NOT NULL,

`AGENT\_DIM\_SK` INT(10) NOT NULL,

`DATE\_KEY` INT(10) NOT NULL,

PRIMARY KEY (`TRANSACTION\_ID`),

INDEX `customer\_id\_bk\_idx` (`CUSTOMER\_ID\_SK` ASC) VISIBLE,

INDEX `AGENT\_ID\_idx` (`AGENT\_DIM\_SK` ASC) VISIBLE,

INDEX `DATE\_KEY\_idx` (`DATE\_KEY` ASC) VISIBLE,

CONSTRAINT `AGENT\_ID`

FOREIGN KEY (`AGENT\_DIM\_SK`)

REFERENCES `insurance\_dim`.`agent\_dim` (`AGENT\_DIM\_SK`),

CONSTRAINT `CUSTOMER\_ID\_BK`

FOREIGN KEY (`CUSTOMER\_ID\_SK`)

REFERENCES `insurance\_dim`.`customer\_dim` (`CUSTOMER\_ID\_SK`),

CONSTRAINT `DATE\_KEY`

FOREIGN KEY (`DATE\_KEY`)

REFERENCES `insurance\_dim`.`calendar\_dim1` (`DATE\_KEY`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

SET SQL\_MODE=@OLD\_SQL\_MODE;

SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS;

SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS;