**คําสั่งสร้างและนําเข้าข้อมูลและการกําหนดค่าผู้ใช้ฐานข้อมูล**

1. คำสั่งสร้างและนำเข้าข้อมูล

Create database mysql-refun;

Use mysql-refun;

CREATE TABLE brand (

brandid SMALLINT NOT NULL,

brandname VARCHAR(40) NOT NULL

);

ALTER TABLE brand ADD CONSTRAINT brand\_pk PRIMARY KEY ( brandid );

CREATE TABLE color (

colorid SMALLINT NOT NULL,

colorname VARCHAR(40) NOT NULL,

hexcolor VARCHAR(7)

);

ALTER TABLE color ADD CONSTRAINT color\_pk PRIMARY KEY ( colorid );

CREATE TABLE product (

productid SMALLINT NOT NULL,

productname VARCHAR(40) NOT NULL,

price DECIMAL(7, 2) NOT NULL,

description VARCHAR(500),

brandid SMALLINT NOT NULL,

typeid SMALLINT NOT NULL,

warranty TINYINT,

launchdate DATETIME NOT NULL,

imageUrl VARCHAR(20)

);

ALTER TABLE product ADD CONSTRAINT product\_pk PRIMARY KEY ( productid );

CREATE TABLE productcolor (

productid SMALLINT NOT NULL,

colorid SMALLINT NOT NULL

);

ALTER TABLE productcolor ADD CONSTRAINT relation\_3\_pk PRIMARY KEY ( productid,

colorid );

CREATE TABLE type (

typeid SMALLINT NOT NULL,

typename VARCHAR(20) NOT NULL

);

ALTER TABLE type ADD CONSTRAINT type\_pk PRIMARY KEY ( typeid );

ALTER TABLE product

ADD CONSTRAINT product\_brand\_fk FOREIGN KEY ( brandid )

REFERENCES brand ( brandid );

ALTER TABLE product

ADD CONSTRAINT product\_type\_fk FOREIGN KEY ( typeid )

REFERENCES type ( typeid );

ALTER TABLE productcolor

ADD CONSTRAINT relation\_3\_color\_fk FOREIGN KEY ( colorid )

REFERENCES color ( colorid );

ALTER TABLE productcolor

ADD CONSTRAINT relation\_3\_product\_fk FOREIGN KEY ( productid )

REFERENCES product ( productid );

1. การ insert ข้อมูล default ลงในตาราง

INSERT INTO `brand` (`brandid`, `brandname`) VALUES

(1001, 'Asus'),

(1002, 'Acer'),

(1003, 'Sony'),

(1004, 'Logitech'),

(1005, 'HyperX'),

(1006, 'Microsoft'),

(1007, 'Signo'),

(1008, 'HP'),

(1009, 'Xiaomi'),

(1010, 'Razer'),

(1011, 'Ducky'),

(1012, 'Signo');

INSERT INTO `type` (`typeid`, `typename`) VALUES

(301, 'headset'),

(302, 'keyboard'),

(303, 'mouse');

INSERT INTO `color` (`colorid`, `colorname`, `hexcolor`) VALUES

(901, 'Black', '#000000'),

(902, 'Ivory', '#fffff0'),

(903, 'Gray79', '#c9c9c9'),

(904, 'Blue Bell', '#9297C4'),

(905, 'Light blue', '#57bfff'),

(906, 'Blue', '#365aad'),

(907, 'Green', '#008972'),

(908, 'Celadon', '#96E6B3'),

(909, 'Orange Yellow Crayola','#FFD166'),

(910, 'Imperial Red','#EF233C'),

(911, 'Pink', '#ffa5b5');

1. การสร้าง user และกำหนด privileges ของ user

CREATE user 'adminUser'@'%' identified by 'password';

GRANT ALL PRIVILEGES ON \*.\* TO 'adminUser'@'%';