Republic of Yemen
Taiz University
Faculty of Engineering & IT

الجمهورية اليمنية
جامعـــــة تعـــز
كلية السعيد للهندسة وتقنية المعلومات

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superbisor by
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Introductio

This data base design for web shop in the web shop every admin mange one storge(product qategory) and have some suplier that supliy the storge with product

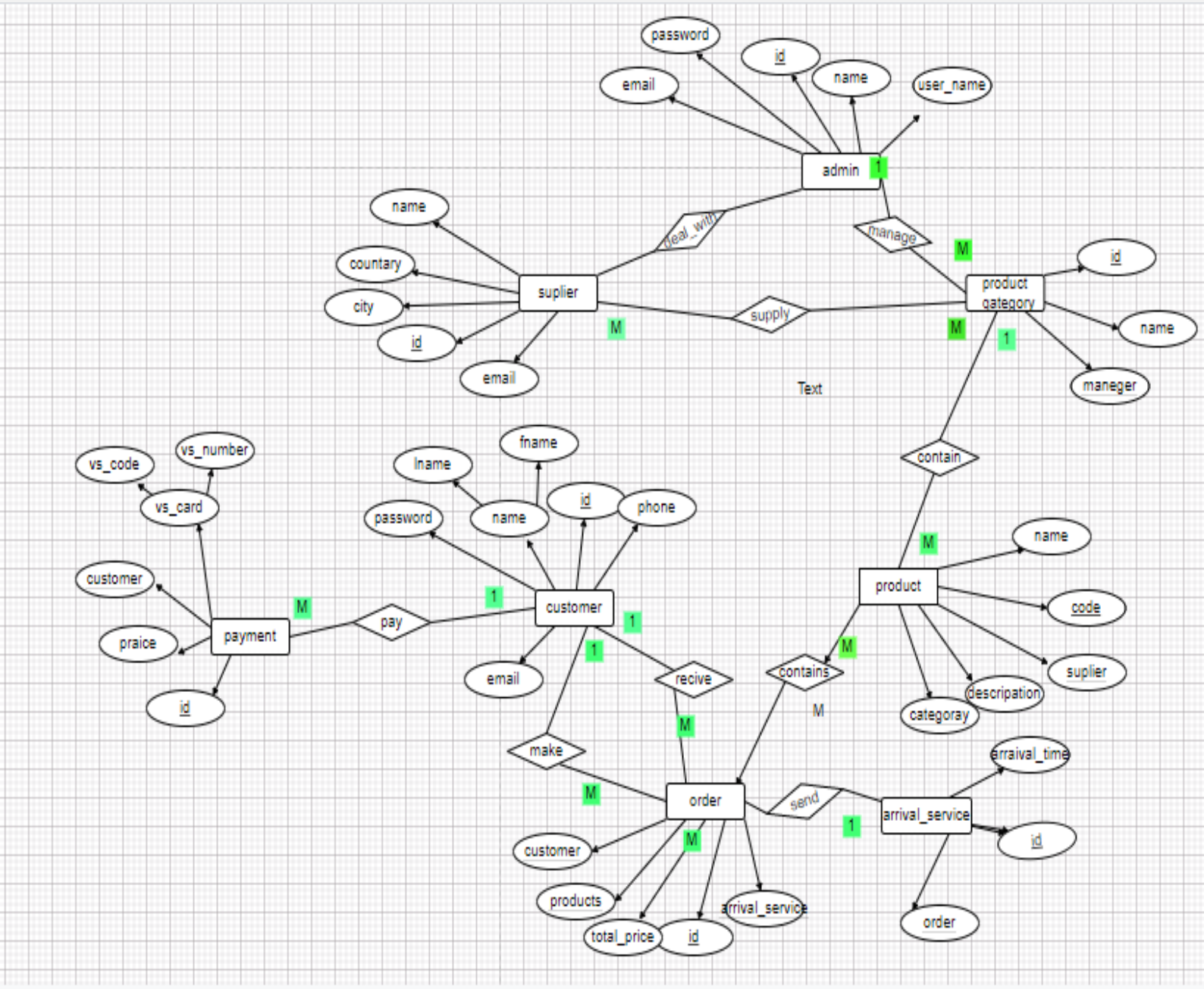
The customer can chose any product and make orders for that product and thin the

Resived service will send that order to the customer with specifed date .

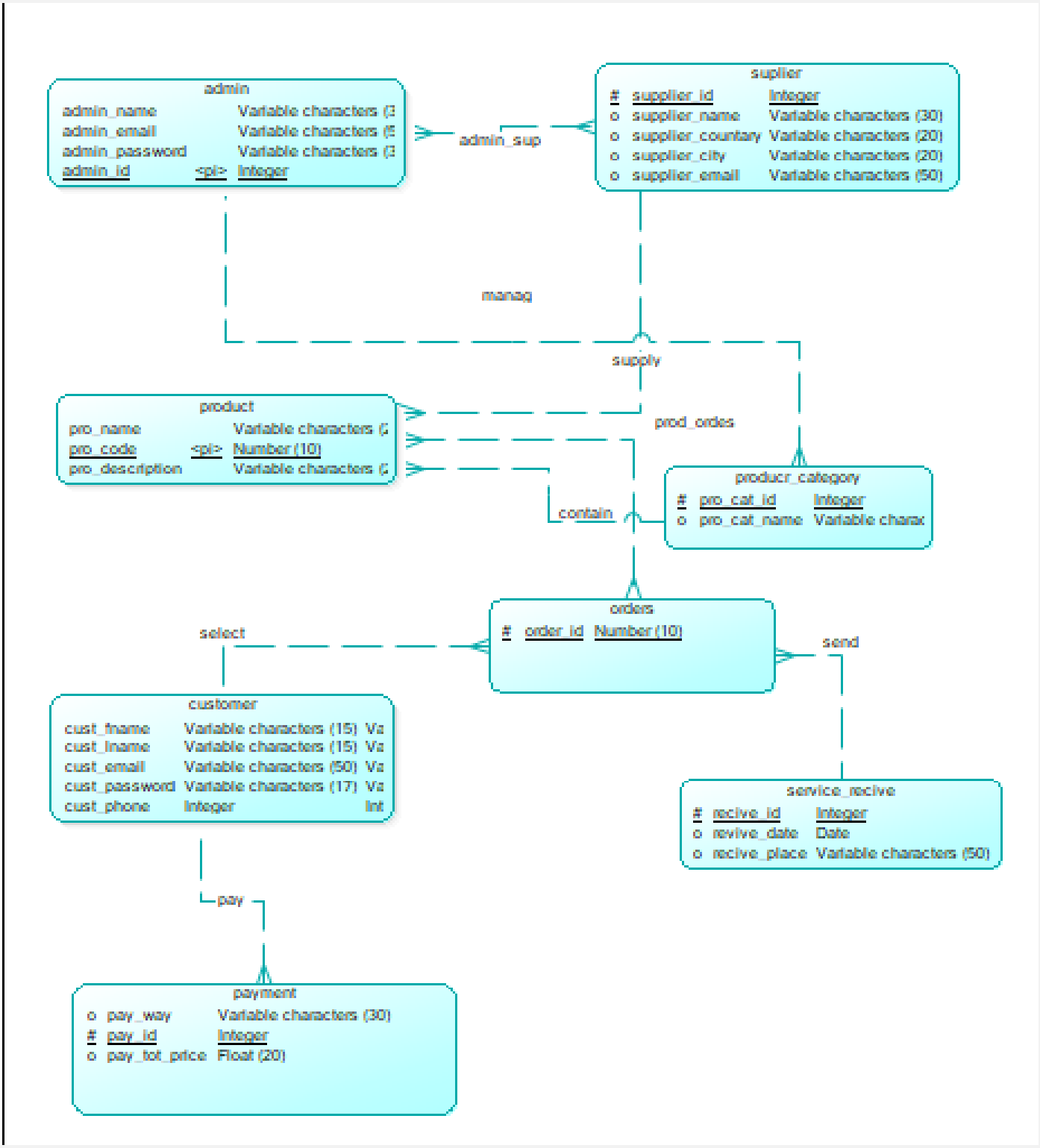
This project have 9 basic entities

1- Admin
2- Product
3- Product category
4- Customer
5- Service resived
6- Payment
7- Admin_sup
8- Orders
9- Suplier

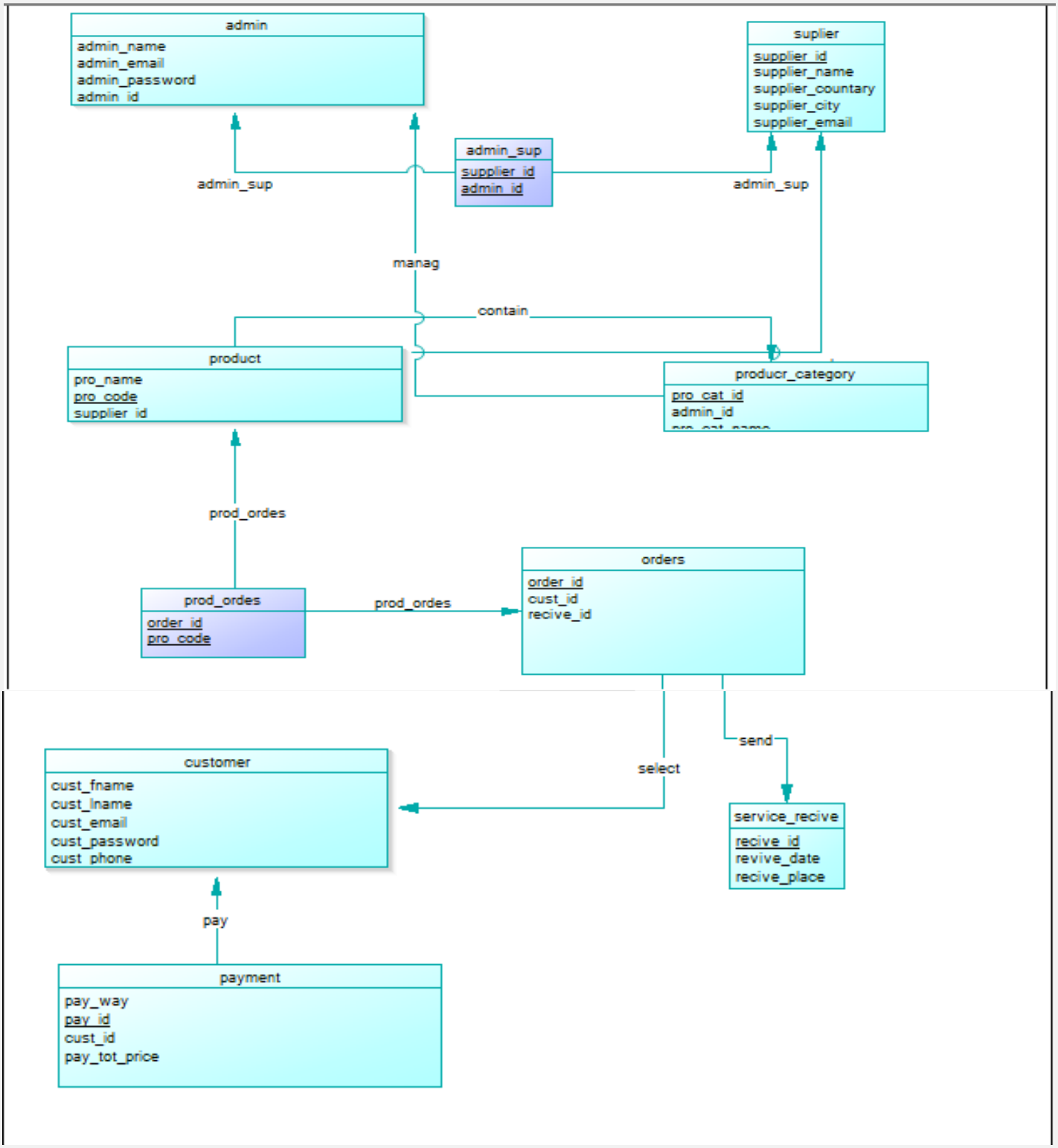
Webshop entities and relation diagram



The conseptual data model



Database physical model



```
/*==============================================================*/
/* DBMS name:      ORACLE Version 11g                           */
/* Created on:     11/27/2022 9:16:09 PM                        */
/*==============================================================*/


alter table     admin_sup
   drop constraint FK_ADMIN_SU_ADMIN_SUP_SUPLIER;

alter table     admin_sup
   drop constraint FK_ADMIN_SU_ADMIN_SUP_ADMIN;

alter table     orders
   drop constraint FK_ORDERS_SELECT_CUSTOMER;

alter table     orders
   drop constraint FK_ORDERS_SEND_SERVICE_;

alter table     payment
   drop constraint FK_PAYMENT_PAY_CUSTOMER;

alter table     prod_ordes
   drop constraint FK_PROD_ORD_PROD_ORDE_ORDERS;

alter table     prod_ordes
   drop constraint FK_PROD_ORD_PROD_ORDE_PRODUCT;

alter table     producr_category
   drop constraint FK_PRODUCR__MANAG_ADMIN;

alter table     product
   drop constraint FK_PRODUCT_RELATIONS_SUPLIER;

alter table     product
   drop constraint FK_PRODUCT_RELATIONS_PRODUCR_;

drop table     admin     cascade constraints;

drop table     admin_sup     cascade constraints;

drop table     customer     cascade constraints;

drop table     orders     cascade constraints;

drop table     payment     cascade constraints;

drop table     prod_ordes     cascade constraints;
```

```
drop table     producr_category     cascade constraints;

drop table     product     cascade constraints;

drop table     service_recive     cascade constraints;

drop table     suplier     cascade constraints;

/*==============================================================*/
/*
Table:     admin                                                 */
/*==============================================================*/
create table     admin
(
       admin_name             VARCHAR2(30)         not null,
       admin_email            VARCHAR2(50),
       admin_password         VARCHAR2(30)         not null,
       admin_id               INTEGER              not null,
   constraint PK_ADMIN primary key (    admin_id    )
);

/*==============================================================*/
/*
Table:     admin_sup                                             */
/*==============================================================*/
create table     admin_sup
(
       supplier_id            INTEGER              not null,
       admin_id               INTEGER              not null,
   constraint PK_ADMIN_SUP primary key
(    supplier_id    ,     admin_id    )
);

/*==============================================================*/
/*
Table:     customer                                              */
/*==============================================================*/
create table     customer
(
       cust_fname             VARCHAR2(15)         not null,
       cust_lname             VARCHAR2(15),
       cust_email             VARCHAR2(50),
       cust_password          VARCHAR2(17)         not null,
       cust_phone             INTEGER,
       cust_id                NUMBER(10)           not null,
   constraint PK_CUSTOMER primary key (    cust_id    )
);
```

```
/*==============================================================*/
/*
Table:     orders                                                */
/*==============================================================*/
create table     orders
(
       order_id              NUMBER(10)          not null,
       cust_id               NUMBER(10),
       recive_id             INTEGER,
   constraint PK_ORDERS primary key (    order_id    )
);

/*==============================================================*/
/*
Table:     payment                                               */
/*==============================================================*/
create table     payment
(
       pay_way               VARCHAR2(30),
       pay_id                INTEGER             not null,
       cust_id               NUMBER(10),
       pay_tot_price         FLOAT(20),
   constraint PK_PAYMENT primary key (    pay_id    )
);

/*==============================================================*/
/*
Table:     prod_ordes                                            */
/*==============================================================*/
create table     prod_ordes
(
       order_id              NUMBER(10)          not null,
       pro_code              NUMBER(10)          not null,
   constraint PK_PROD_ORDES primary key
(    order_id    ,     pro_code    )
);

/*==============================================================*/
/*
Table:     producr_category                                      */
/*==============================================================*/
create table     producr_category
(
       pro_cat_id            INTEGER             not null,
       admin_id              INTEGER,
       pro_cat_name          VARCHAR2(30),
   constraint PK_PRODUCR_CATEGORY primary key (    pro_cat_id    )
);
```

```
/*==============================================================*/
/*
Table:     product                                               */
/*==============================================================*/
create table     product
(
       pro_name              VARCHAR2(20)         not null,
       pro_code              NUMBER(10)           not null,
       supplier_id           INTEGER,
       pro_cat_id            INTEGER,
       pro_description       VARCHAR2(250),
   constraint PK_PRODUCT primary key (    pro_code    )
);

/*==============================================================*/
/*
Table:     service_recive                                        */
/*==============================================================*/
create table     service_recive
(
       recive_id             INTEGER              not null,
       revive_date           DATE,
       recive_place          VARCHAR2(50),
   constraint PK_SERVICE_RECIVE primary key (    recive_id    )
);

/*==============================================================*/
/*
Table:     suplier                                               */
/*==============================================================*/
create table     suplier
(
       supplier_id           INTEGER              not null,
       supplier_name         VARCHAR2(30),
       supplier_countary     VARCHAR2(20),
       supplier_city         VARCHAR2(20),
       supplier_email        VARCHAR2(50),
   constraint PK_SUPLIER primary key (    supplier_id    )
);

alter table     admin_sup
   add constraint FK_ADMIN_SU_ADMIN_SUP_SUPLIER foreign key
(    supplier_id    )
      references     suplier     (    supplier_id    );

alter table     admin_sup
```

```
   add constraint FK_ADMIN_SU_ADMIN_SUP_ADMIN foreign key
(    admin_id    )
      references     admin     (    admin_id    );

alter table     orders
   add constraint FK_ORDERS_SELECT_CUSTOMER foreign key
(    cust_id    )
      references     customer     (    cust_id    );

alter table     orders
   add constraint FK_ORDERS_SEND_SERVICE_ foreign key
(    recive_id    )
      references     service_recive     (    recive_id    );

alter table     payment
   add constraint FK_PAYMENT_PAY_CUSTOMER foreign key (    cust_id    )
      references     customer     (    cust_id    );

alter table     prod_ordes
   add constraint FK_PROD_ORD_PROD_ORDE_ORDERS foreign key
(    order_id    )
      references     orders     (    order_id    );

alter table     prod_ordes
   add constraint FK_PROD_ORD_PROD_ORDE_PRODUCT foreign key
(    pro_code    )
      references     product     (    pro_code    );

alter table     producr_category
   add constraint FK_PRODUCR__MANAG_ADMIN foreign key
(    admin_id    )
      references     admin     (    admin_id    );

alter table     product
   add constraint FK_PRODUCT_RELATIONS_SUPLIER foreign key
(    supplier_id    )
      references     suplier     (    supplier_id    );

alter table     product
   add constraint FK_PRODUCT_RELATIONS_PRODUCR_ foreign key
(    pro_cat_id    )
      references     producr_category     (    pro_cat_id    );
```