**Criação de tabelas**

create table client (client\_id int not null auto\_increment,

client\_name varchar(80) not null,

client\_username varchar(20) not null,

client\_password varchar(20) not null,

client\_email varchar(45) not null,

client\_address varchar(100) not null,

client\_nif int not null,

primary key (client\_id));

create table admin (admin\_id int not null auto\_increment,

admin\_name varchar(80) not null,

admin\_username varchar(20) not null,

admin\_password varchar(20) not null,

admin\_email varchar(45) not null,

primary key (admin\_id));

create table status (status\_id int not null auto\_increment,

status\_name enum ('on hold', 'paid', 'sent', 'delivered', 'aborted') not null,

primary key (status\_id));

create table shoppingcart (shoppingcart\_id int not null auto\_increment,

primary key (shoppingcart\_id));

create table category (category\_id int not null auto\_increment,

category\_name varchar(45) not null,

primary key (category\_id));

create table payment (payment\_id int not null auto\_increment,

payment\_creditcardnumber varchar(20) not null,

payment\_cvc int not null,

payment\_validdate date not null,

payment\_date date not null,

primary key (payment\_id));

create table product (product\_id int not null auto\_increment,

product\_name varchar(60) not null,

product\_price double not null,

product\_reference int not null,

product\_stock int not null,

product\_category\_id int not null,

product\_shoppingcart\_id int,

primary key (product\_id));

create table package (package\_id int not null auto\_increment,

package\_reference int not null,

package\_client\_id int not null,

package\_payment\_id int not null,

package\_product\_id int not null,

primary key (package\_id));

create table packagestatus (packagestatus\_id int not null auto\_increment,

packagestatus\_status\_id int not null,

packagestatus\_package\_id int not null,

packagestatus\_admin\_id int,

primary key (packagestatus\_id));

alter table product add constraint product\_fk\_category

foreign key (product\_category\_id) references category(category\_id)

ON DELETE NO ACTION ON UPDATE NO ACTION;

alter table product add constraint product\_fk\_shoppingcart

foreign key (product\_shoppingcart\_id) references category(category\_id)

ON DELETE NO ACTION ON UPDATE NO ACTION;

alter table package add constraint package\_fk\_product

foreign key (package\_product\_id) references product(product\_id)

ON DELETE NO ACTION ON UPDATE NO ACTION;

alter table package add constraint package\_fk\_payment

foreign key (package\_payment\_id) references payment(payment\_id)

ON DELETE NO ACTION ON UPDATE NO ACTION;

alter table package add constraint package\_fk\_client

foreign key (package\_client\_id) references client(client\_id)

ON DELETE NO ACTION ON UPDATE NO ACTION;

alter table packagestatus add constraint packagestatus\_fk\_package

foreign key (packagestatus\_package\_id) references package(package\_id)

ON DELETE NO ACTION ON UPDATE NO ACTION;

alter table packagestatus add constraint packagestatus\_fk\_status

foreign key (packagestatus\_status\_id) references status(status\_id)

ON DELETE NO ACTION ON UPDATE NO ACTION;

alter table packagestatus add constraint packagestatus\_fk\_admin

foreign key (packagestatus\_admin\_id) references admin(admin\_id)

ON DELETE NO ACTION ON UPDATE NO ACTION;