

## Actividad # 3 - Desarrollo de una API REST

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[Link archivo](#)

<https://drive.google.com/file/d/1jWfIHSJykxBb3l1ewIni8yyhmli4lohY/view?usp=sharing>

### Script de la BD

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create database PEDIDOS;

CREATE TABLE EMPLEADOS (
EMPLEADOID int NOT NULL,
NOMBRE char(30) NULL,
APELLIDO char(30) NULL,
FECHA_NAC date NULL,
REPORTA_A int NULL,
EXTENSION int NULL,
CONSTRAINT PK_EMPLEADOS PRIMARY KEY (EMPLEADOID));

CREATE TABLE PROVEEDORES (
PROVEEDORID int NOT NULL,
NOMBREPROV char(50) NOT NULL,
CONTACTO char(50) NOT NULL,
CELUPROV char(12) NULL,
FIJOPROV char(12) NULL,
CONSTRAINT PK_PROVEEDORES PRIMARY KEY
(PROVEEDORID ));

CREATE TABLE CATEGORIAS (
CATEGORIAID int NOT NULL,
NOMBRECAT char(50) NOT NULL,
CONSTRAINT PK_CATEGORIAS PRIMARY KEY
(CATEGORIAID) );

CREATE TABLE CLIENTES (
CLIENTEID int NOT NULL,
CEDULA_RUC char(10) NOT NULL,
NOMBRECIA char(30) NOT NULL,
NOMBRECONTACTO char(50) NOT NULL,
DIRECCIONCLI char(50) NOT NULL,
FAX char(12) NULL,
EMAIL char(50) NULL,
CELULAR char(12) NULL,
FIJO char(12) NULL,
CONSTRAINT PK_CLIENTES PRIMARY KEY
(CLIENTEID) );

CREATE TABLE ORDENES (
ORDENID int NOT NULL,
EMPLEADOID int NOT NULL,
CLIENTEID int NOT NULL,
FECHAORDEN date NOT NULL,
DESCUENTO int NULL,
CONSTRAINT PK_ORDENES PRIMARY KEY
(ORDENID) );
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CREATE TABLE DETALLE_ORDENES (
ORDENID int NOT NULL,
DETALLEID int NOT NULL,
PRODUCTOID int NOT NULL,
CANTIDAD int NOT NULL,
CONSTRAINT PK_DETALLE_ORDENES PRIMARY KEY
(ORDENID,DETALLEID ) );

CREATE TABLE PRODUCTOS (
PRODUCTOID int NOT NULL,
PROVEEDORID int NOT NULL,
CATEGORIAID int NOT NULL,
DESCRIPCION char(50) NULL,
PRECIOUNIT numeric NOT NULL,
EXISTENCIA int NOT NULL,
CONSTRAINT PK_PRODUCTOS PRIMARY KEY
(PRODUCTOID )) ;

ALTER TABLE ORDENES
ADD CONSTRAINT FK_ORDENES_CLIEN_ORD_CLIENTES FOREIGN KEY (CLIENTEID)
REFERENCES CLIENTES (CLIENTEID)
on delete restrict on update restrict;

ALTER TABLE ORDENES ADD CONSTRAINT FK_ORDENES_EMPLE_ORD_EMPLEADO FOREIGN KEY (EMPLEADOID)
REFERENCES EMPLEADOS (EMPLEADOID)
on delete restrict on update restrict;

ALTER TABLE DETALLE_ORDENES ADD CONSTRAINT FK_DETALLE__ORDEN_DET_ORDENES FOREIGN KEY (ORDENID)
REFERENCES ORDENES (ORDENID)
on delete restrict on update restrict;

ALTER TABLE DETALLE_ORDENES ADD CONSTRAINT FK_DETALLE__PROD_DET_PROD_PRODUCTO FOREIGN KEY (PRODUCTOID)
REFERENCES PRODUCTOS (PRODUCTOID)
on delete restrict on update restrict;

ALTER TABLE PRODUCTOS ADD CONSTRAINT FK_PRODUCTO_CATE_PROD_CATEGORIA FOREIGN KEY (CATEGORIAID)
REFERENCES CATEGORIAS (CATEGORIAID)
on delete restrict on update restrict;

ALTER TABLE PRODUCTOS ADD CONSTRAINT FK_PRODUCTO_PROV_PROD_PROVEEDO FOREIGN KEY (PROVEEDORID)
REFERENCES PROVEEDORES (PROVEEDORID)
on delete restrict on update restrict;

ALTER TABLE EMPLEADOS ADD CONSTRAINT FK_EMPLEADO_REPORTA FOREIGN KEY (REPORTA_A)
REFERENCES EMPLEADOS (EMPLEADOID)
on delete restrict on update restrict;

/*INSERCIÓN DE DATOS EN LA BASE */

insert into categorias (categoriaid, nombrecat) values (100, 'CARNICOS');
insert into categorias (categoriaid, nombrecat) values (200, 'LACTEOS');
insert into categorias (categoriaid, nombrecat) values (300, 'LIMPIEZA');

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insert into categorias (categoriaid, nombrecat) values (400, 'HIGINE
PERSONAL');
insert into categorias (categoriaid, nombrecat) values (500, 'MEDICINA
S');
insert into categorias (categoriaid, nombrecat) values (600, 'COSMETIC
OS');
insert into categorias (categoriaid, nombrecat) values (700, 'REVISTAS
');

insert into proveedores (proveedorid, nombreprov, contacto, celuprov, fi
joprov) values
(10, 'DON DIEGO', 'MANUEL ANDRADE', '099234567', '2124456');
insert into proveedores (proveedorid, nombreprov, contacto, celuprov, fi
joprov) values
(20, 'PRONACA', 'JUAN PEREZ', '0923434467', '2124456');
insert into proveedores (proveedorid, nombreprov, contacto, celuprov, fi
joprov) values
(30, 'TONY', 'JORGE BRITO', '099234567', '2124456');
insert into proveedores (proveedorid, nombreprov, contacto, celuprov, fi
joprov) values
(40, 'MIRAFLORES', 'MARIA PAZ', '098124498', '2458799');
insert into proveedores (proveedorid, nombreprov, contacto, celuprov, fi
joprov) values
(50, 'ALMAY', 'PEDRO GONZALEZ', '097654567', '2507190');
insert into proveedores (proveedorid, nombreprov, contacto, celuprov, fi
joprov) values
(60, 'REVLON', 'MONICA SALAS', '099245678', '2609876');
insert into proveedores (proveedorid, nombreprov, contacto, celuprov, fi
joprov) values
(70, 'YANBAL', 'BETY ARIAS', '098124458', '2450887');
insert into proveedores (proveedorid, nombreprov, contacto, celuprov, fi
joprov) values
(120, 'JURIS', 'MANUEL ANDRADE', '099234567', '2124456');
insert into proveedores (proveedorid, nombreprov, contacto, celuprov, fi
joprov) values
(80, 'CLEANER', 'MANUEL ANDRADE', '099234567', '2124456');
insert into proveedores (proveedorid, nombreprov, contacto, celuprov, fi
joprov) values
(90, 'BAYER', 'MANUEL ANDRADE', '099234567', '2124456');
insert into proveedores (proveedorid, nombreprov, contacto, celuprov, fi
joprov) values
(110, 'PALMOLIVE', 'MANUEL ANDRADE', '099234567', '2124456');

INSERT INTO PRODUCTOS VALUES (1,10,100, 'SALCHICHAS
VIENESAS', 2.60, 200);
INSERT INTO PRODUCTOS VALUES (2,10,100, 'SALAMI DE AJO', 3.60, 300);
INSERT INTO PRODUCTOS VALUES (3,10,100, 'BOTON PARA ASADO', 4.70, 400);
INSERT INTO PRODUCTOS VALUES (4,20,100, 'SALCHICHAS DE
POLLO', 2.90, 200);
INSERT INTO PRODUCTOS VALUES (5,20,100, 'JAMON DE POLLO', 2.80, 100);
INSERT INTO PRODUCTOS VALUES (6,30,200, 'YOGURT NATURAL', 4.30, 80);
INSERT INTO PRODUCTOS VALUES (7,30,200, 'LECHE CHOCOLATE', 1.60, 90);
INSERT INTO PRODUCTOS VALUES (8,40,200, 'YOGURT DE SABORES', 1.60, 200);
INSERT INTO PRODUCTOS VALUES (9,40,200, 'CREMA DE LECHE', 3.60, 30);
INSERT INTO PRODUCTOS VALUES (10,50,600, 'BASE DE
MAQUILLAJE', 14.70, 40);
INSERT INTO PRODUCTOS VALUES (11,50,600, 'RIMMEL', 12.90, 20);
INSERT INTO PRODUCTOS VALUES (13,60,600, 'SOMBRA DE OJOS', 9.80, 100);
set datestyle to dmy;

INSERT INTO EMPLEADOS VALUES (1, 'JUAN', 'CRUZ', '18/01/67', null, 231);

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INSERT INTO EMPLEADOS VALUES (2, 'MARIO', 'SANCHEZ', '01/03/79', 1, 144);
INSERT INTO EMPLEADOS VALUES (3, 'VERONICA', 'ARIAS', '23/06/77', 1, 234);
);
INSERT INTO EMPLEADOS VALUES (4, 'PABLO', 'CELY', '28/01/77', 2, 567);
INSERT INTO EMPLEADOS VALUES (5, 'DIEGO', 'ANDRADE', '15/05/70', 2, 890);
;
INSERT INTO EMPLEADOS VALUES (6, 'JUAN', 'ANDRADE', '17/11/76', 3, 230);
INSERT INTO EMPLEADOS VALUES (7, 'MARIA', 'NOBOA', '21/12/79', 3, 261);

INSERT INTO CLIENTES VALUES (1, '1890786576', 'SUPERMERCADO
ESTRELLA', 'JUAN ALBAN', 'AV.AMAZONAS', NULL, NULL, NULL, NULL);
INSERT INTO CLIENTES VALUES (2, '1298765477', 'EL ROSADO', 'MARIA
CORDERO', 'AV.AEL INCA', NULL, NULL, NULL, NULL);
INSERT INTO CLIENTES VALUES (3, '1009876567', 'DISTRIBUIDORA
PRENSA', 'PEDRO PINTO', 'EL PINAR', NULL, NULL, NULL, NULL);
INSERT INTO CLIENTES VALUES (4, '1876090006', 'SU TIENDA', 'PABLO
PONCE', 'AV.AMAZONAS', NULL, NULL, NULL, NULL);
INSERT INTO CLIENTES VALUES (5, '1893456776', 'SUPERMERCADO
DORADO', 'LORENA PAZ', 'AV.6 DICIEMBRE', NULL, NULL, NULL, NULL);
INSERT INTO CLIENTES VALUES (6, '1678999891', 'MI COMISARIATO', 'ROSARIO
UTRERAS', 'AV.AMAZONAS', NULL, NULL, NULL, NULL);
INSERT INTO CLIENTES VALUES (7, '1244567888', 'SUPERMERCADO
DESCUENTO', 'LETICIA ORTEGA', 'AV.LA PRENSA', NULL, NULL, NULL, NULL);
INSERT INTO CLIENTES VALUES (8, '1456799022', 'EL DESCUENTO', 'JUAN
TORRES', 'AV.PATRIA', NULL, NULL, NULL, NULL);
INSERT INTO CLIENTES VALUES (9, '1845677777', 'DE LUISE', 'JORGE
PARRA', 'AV.AMAZONAS', NULL, NULL, NULL, NULL);
INSERT INTO CLIENTES VALUES (10, '1834456667', 'YARBANTRELLA', 'PABLO
POLIT', 'AV.REPUBLICA', NULL, NULL, NULL, NULL);

INSERT INTO ORDENES VALUES (1, 3, 4, '17/06/07', 5);
INSERT INTO ORDENES VALUES (2, 3, 4, '02/06/07', 10);
INSERT INTO ORDENES VALUES (3, 4, 5, '05/06/07', 6);
INSERT INTO ORDENES VALUES (4, 2, 6, '06/06/07', 2);
INSERT INTO ORDENES VALUES (5, 2, 7, '09/06/07', NULL);
INSERT INTO ORDENES VALUES (6, 4, 5, '12/06/07', 10);
INSERT INTO ORDENES VALUES (7, 2, 5, '14/06/07', 10);
INSERT INTO ORDENES VALUES (8, 3, 2, '13/06/07', 10);
INSERT INTO ORDENES VALUES (9, 3, 2, '17/06/07', 3);
INSERT INTO ORDENES VALUES (10, 2, 2, '18/06/07', 2);

INSERT INTO detalle_ordenes VALUES (1, 1, 1, 2);
INSERT INTO detalle_ordenes VALUES (1, 2, 4, 1);
INSERT INTO detalle_ordenes VALUES (1, 3, 6, 1);
INSERT INTO detalle_ordenes VALUES (1, 4, 9, 1);
INSERT INTO detalle_ordenes VALUES (2, 1, 10, 10);
INSERT INTO detalle_ordenes VALUES (2, 2, 13, 20);
INSERT INTO detalle_ordenes VALUES (3, 1, 3, 10);
INSERT INTO detalle_ordenes VALUES (4, 1, 9, 12);
INSERT INTO detalle_ordenes VALUES (5, 1, 1, 14);
INSERT INTO detalle_ordenes VALUES (5, 2, 4, 20);
INSERT INTO detalle_ordenes VALUES (6, 1, 3, 12);
INSERT INTO detalle_ordenes VALUES (7, 1, 11, 10);
INSERT INTO detalle_ordenes VALUES (8, 1, 2, 10);
INSERT INTO detalle_ordenes VALUES (8, 2, 5, 14);
INSERT INTO detalle_ordenes VALUES (8, 3, 7, 10);
INSERT INTO detalle_ordenes VALUES (9, 1, 11, 10);
INSERT INTO detalle_ordenes VALUES (10, 1, 1, 5);

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