

# Tecnicatura Universitaria en Programación (TUP-2024)

Programación III  
Profesor: Raúl Políti

## PROYECTO FINAL GRUPAL

C9

Grupo 4

### Integrantes:

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```
CREATE DATABASE IF NOT EXISTS ferreteriagrupo4com9;  
USE ferreteriagrupo4com9;
```

```
CREATE TABLE IF NOT EXISTS usuarios (ID_Usuario INT PRIMARY KEY AUTO_INCREMENT,  
disponible BOOLEAN DEFAULT TRUE,  
rol ENUM("admin", "user") DEFAULT "user",  
nombre_user VARCHAR(30) NOT NULL,  
pass VARCHAR(30) NOT NULL,  
telefono_user VARCHAR(15),  
mail_user VARCHAR(50) NOT NULL,  
usuarios_imagen TEXT);  
INSERT INTO usuarios (rol, nombre_user, pass, telefono_user, mail_user, usuarios_imagen) VALUES  
("admin", "Admin", "admin123", "123456789", "admin@a.com",  
"https://s1.zerochan.net/Lucoa.600.3692300.jpg"),  
("user", "Anonimo", "anonimo123", "789456123", "anonimo@a.com",  
"https://pbs.twimg.com/profile_images/1462021134539493379/_XpX7TGx_400x400.jpg"),  
("user", "Cosme Fulanito", "fulano666", "3816517779", "fulano@hotmail.com",  
"https://pbs.twimg.com/profile_images/1458226278096531457/L1BCstph_400x400.jpg"),  
("user", "Dr. Heinz Doofenshmirtz", "platypus", "55512347", "MalvadosYAsociados@gmail.com",  
"https://static.wikia.nocookie.net/ce3b5c89-eba1-49e2-98ce-73a3cfff3ee6"),  
("user", "Doggie Kruger", "Dekamaster", "0911647134", "Dekamaster@gmail.com",  
"https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQOHXXHYmfh4G1pJnE3-VTo5ff1D46_XSs-2g&  
s"),  
("user", "Julian Omar", "Mllanesasmp3", "381245567", "JulianM@gmail.com",  
"https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcR4H_ZxrYC1q6Bjv8slKKVxwt8HytDd6mCh3w&  
s"),  
("user", "Dell Conagher", "Redspy", "54567901", "Dispenserhere@gmail.com",  
"https://i1.sndcdn.com/artworks-000173451332-o2jgyk-t1080x1080.jpg"),  
("user", "Nolan Grayson", "Omniass", "555801820", "Omniman@gmail.com",  
"https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQ0-tZHVC0o4b-6z-cjBvH0Vc_WDZvXYcmFXw  
&s"),  
("user", "Hideo Kojima", "MetalGearDelta", "555723903120", "Hk@gmail.com",  
"https://fotos.perfil.com/2022/09/18/trim/900/900/hideo-kojima-20220918-1421881.jpg"),  
("user", "Tyler The Creator", "Chromakopia", "451341235", "Tytc@gmail.com",  
"https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcR7kS7HPxOP6IB4DvjgRkVJy6TSrPGTWknFSF  
WJ6U2M-zomMrd2-LK5g_BWnUSN97L90Vg&usqp=CAU"),  
("user", "El Frot", "Lechero5", "12039120", "Masterlechero@gmail.com",  
"https://static1.personalitydatabase.net/2/pdb-images-prod/e0fad2e6/profile_images/0dbdbb1bbcb14b0d9b  
7275c4a88420da.png"),  
("user", "Ren Amamiya", "Phantomthieve", "9381213028", "Jokerextreme@gmail.com",  
"https://preview.redd.it/l4s57f3d30t41.jpg?width=640&crop=smart&auto=webp&s=98356328422e4097102af  
4df1b83ee5017fa5c3c"),  
("user", "Willy E Coyote", "Acme1234", "89410234801", "Ecoyote@acme.com",  
"https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQRCJ2YW3g_PjgZC2xFstPbo1f73U7f24oGNA&  
s"),  
("user", "Franky", "Sunny", "1274691876", "Superrr@gmail.com",  
"https://static1.cbrimages.com/wordpress/wp-content/uploads/2024/12/super-flavor.jpeg"),  
("user", "Indio Solari", "NoloSoñé", "1294618947", "ISolari@gmail.com",  
"https://www.rosario3.com/__export/1679861811869/sites/rosario3/img/2023/03/26/indio_solari.jpg_119206  
5467.jpg"),  
("user", "Mason ", "HUhuHAHA", "7461762312", "MasonM@gmail.com",  
"https://images.hitpaw.com/topics/ai-voice/mason-and-phil-madagascar.jpg"),
```

```
(
    "user", "Gru", "Despicable Me", "1241231412", "DespMe@vile.com",
    "https://cdn.hobbyconsolas.com/sites/navi.axelspringer.es/public/media/image/2023/12/gru-4-mi-villano-fav
    orito-2024-3253838.jpg?tf=3840x"),
    ("user", "Isabelle", "laaiaoeiaiao", "14298471248", "WauWau@gmail.com",
    "https://nfccardstore.com/cdn/shop/products/AC_Isabelle_7XU6aGu.17345b1513ac044897cfc243542899d
    ce541e8dc.9afde10b_1200x1200.png?v=1638504662"),
    ("user", "Crazy Dave", "Dave12023", "1321545342", "Webiwabo@gmail.com",
    "https://www.capsulecomputers.com.au/wp-content/uploads/crazy-dave-01.jpg"),
    ("user", "Sonozaki Raito", "Cyclone", "12348032", "Fangjoker@gmail.com",
    "https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTf6GTVOJDIHo1xNdDDfAwtZBv5oe-79aadaQ&
    s");
```

```
CREATE TABLE IF NOT EXISTS categorias (
    ID_Categoria INT PRIMARY KEY AUTO_INCREMENT,
    nombre_categoria VARCHAR(50) NOT NULL
);
INSERT INTO categorias(nombre_categoria) VALUES
("Ferretería general"),
("Herramientas eléctricas"),
("Pinturas"),
("Fontanería"),
("Construcción");
```

```
CREATE TABLE productos (
    ID_Prod INT PRIMARY KEY AUTO_INCREMENT,
    disponible BOOLEAN DEFAULT TRUE,
    nombre_prod VARCHAR(50) NOT NULL,
    precio DOUBLE NOT NULL,
    stock INT NOT NULL DEFAULT 0,
    productos_imagen TEXT,
    FK_IDCategoria INT NOT NULL,
    FOREIGN KEY (FK_IDCategoria) REFERENCES categorias(ID_Categoria)
);
INSERT INTO productos (nombre_prod, precio, stock, productos_imagen, FK_IDCategoria)
VALUES
("Chispa Líquida", 1500, 30, "https://okdiario.com/img/2017/03/23/pahoehoe_toe-655x368.jpg", 1),
("D.P.punta hueca 20mm", 10000, 5,
    "https://http2.mlstatic.com/D_NQ_NP_611144-MLU72456525599_102023-O.webp", 1),
("Motosierra de mano", 250000, 20,
    "https://media.cgtrader.com/variants/xzhfH6YDqCH9RoPB3VuUaNdf/a26e47dab5f2d22c43d6c5ce4b4b46e
    cc30c70918878397cba1a10c1e35d7bfc/1.jpg", 2),
("Anticongelante", 5000, 100,
    "https://preview.redd.it/they-made-one-piece-antifreeze-v0-7hdq05uqqqre1.jpeg?width=640&crop=smart&a
    uto=webp&s=f866c5e34e59acd54ef4611b418039477d5921a7", 4),
("Cemento Transex", 15000, 5000, "https://globalgtc.cl/wp-content/uploads/2019/06/Cemento.jpg", 5),
("Cable de cobre x Metro", 50000, 10000,
    "https://jualbelibesitua.com/wp-content/uploads/2020/09/copper-scrap-copper-wire-scrap-millberry-copper-8
    19094.jpg", 1),
("Bateria de Auto", 1000000.02, 1,
    "https://www.sciencealert.com/images/2018-04/001-demon-core-nuclear-bomb-plutonium-4.jpg", 1),
```

("Llave para grandes iglesias", 50000, 7,  
"https://preview.redd.it/this-massive-spanner-at-work-v0-cn3o49yzev6d1.jpeg?auto=webp&s=aaba23645d780e166da48ba33a3f55f2be291528", 4),  
("Martillo pequeño (2mts)", 5000000, 1,  
"https://cdnb.artstation.com/p/assets/images/images/039/143/279/large/juan-sebastian-medina-mjolnir.jpg?1625061079", 5),  
("Foco natural", 999999999999, 1,  
"https://e00-el mundo.uecdn.es/el mundo/imagenes/2012/05/22/ciencia/1337704929\_0.jpg", 3),  
("Taladro Exorcista 9000", 199999.99, 6, "https://i.redd.it/80x3ynnwu4xd1.png", 2),  
("Pintura Negra Absoluta", 79999.99, 25,  
"https://artbendix.net/wp-content/uploads/2024/11/NEGRO-ABSOLUTO-150ML.jpg", 3),  
("Llave Francesa Sentiente", 120000, 3,  
"https://i.etsystatic.com/9106427/r/il/2632d8/1995681987/il\_1080xN.1995681987\_d9vs.jpg", 1),  
("Cinta Aisladora Dimensional", 15000, 40,  
"https://flexseal.ca/cdn/shop/products/TFSMAXWHTC04-1000x1000.jpg?v=1714777826", 1),  
("Destornillador Cuántico", 320000, 12,  
"https://imagenes.elpais.com/resizer/v2/FFEZ2KZX6HPXKMYUMRDUQ5Y474.jpg?auth=430233133b5f43d5a9fa32cb9418e12b7546f0edc608dc69dc0f641d6dc2c5b9&width=414", 2),  
("Poximix de Neptuno", 8500, 100,  
"https://acdn-us.mitiendanube.com/stores/002/199/725/products/poximix1-6cbb02799cca8f658516579767730861-1024-1024.jpg", 5),  
("Llave Stilson Ancestral", 62000, 8,  
"https://http2.mlstatic.com/D\_912504-MLA84899175126\_052025-C.jpg", 4),  
("Broca para Realidades Alternas", 450000, 2,  
"https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcShpsjscVywX4nyljQ-tnyMDFeSxZ30Tv-uo4S\_SARBNCsj1kjU7oQncmOot\_S4edDqvtM&usqp=CAU", 2),  
("Martillo de la Justicia Divina", 999999, 1,  
"https://img.freepik.com/fotos-premium/martillo-madera-dorada-3d-rendering-aislado-sobre-fondo-blanco\_823159-4163.jpg", 5),  
("Teflón de Obsidiana", 13000, 60,  
"https://obsidianneedles.com/cdn/shop/files/KOTNDALLbk.jpg?v=1682961086", 4);

```
CREATE TABLE IF NOT EXISTS empleados (ID_Empleado INT PRIMARY KEY AUTO_INCREMENT,  
estado ENUM("activo", "despedido") DEFAULT "activo",  
nombre_empleado VARCHAR(30) NOT NULL,  
telefono_empleado VARCHAR(15),  
mail_empleado VARCHAR(50) NOT NULL,  
empleados_imagen TEXT);
```

```
INSERT INTO empleados (estado, nombre_empleado, telefono_empleado, mail_empleado,  
empleados_imagen) VALUES  
("activo", "Stanley Pines", "09801830", "Estafadorpines@hotmail.com",  
"https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTBPP0vIVk-aodXnxkOvH9Ov89ZcZB8h4zz5g&s"),  
("activo", "BussinessMan", "19203910", "Negocios@outlook",  
"https://i.ytimg.com/vi/Cidkb2NZTAU/hq720.jpg?sqp=-oaymwEhCK4FEIIDSFryq4qpAxMIARUAAAAAGAEI  
AADIQj0AgKJD&rs=AOn4CLDWRPCrwwwvQA2-urCai11yZ_EKEw"),  
("activo", "Sojiro Sakura", "055129392", "Leblanc@hotmail.com",  
"https://static.wikia.nocookie.net/megamitensei/images/7/78/P5_Sojiro_Sakura_smiling.png"),  
("activo", "Kaela Kovalskia", "46718924618", "BonkBonk@gmail.com",  
"https://pbs.twimg.com/media/FcBbGzdagAI22XJ?format=jpg&name=4096x4096"),
```

(  
 ("activo", "Aigis Kirijo", "127461786", "Boommeee@gmail.com",  
 "https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcS3T5hUBtqLuqL\_imv0l8storrQR83C4Wxr6g&s="),  
 ("activo", "Chie Satonaka", "4126478614", "ChieSato@gmail.com",  
 "https://preview.redd.it/chie-satonaka-v0-xg1g5qmx22cd1.jpg?width=531&format=pjpg&auto=webp&s=8f775d77a275704319f2a0f2cf77ce820b4e7ec9"),  
 ("activo", "Fix It Felix", "461278461", "FixIT@gmail.com",  
 "https://64.media.tumblr.com/cd160ab6d6f628f838e5159ede4aef0c/tumblr\_nkdw1pLB8o1uoxd7so1\_500.jpg"),  
 ("activo", "Harry Hart", "2141241234", "HarryHart@gmail.com",  
 "https://wallpapercave.com/wp/wp12306986.jpg"),  
 ("activo", "Cecil", "58178924712", "Cecilio@gmail.com",  
 "https://i.pinimg.com/736x/f2/f6/9f/f2f69f7107e6c96636d40433a9450060.jpg"),  
 ("activo", "Aqua", "66666666", "AquaGoddess@gmail.com",  
 "https://i.pinimg.com/736x/43/c4/d1/43c4d1d98acf29c32ab7d5b6f7f087d7.jpg"),  
 ("activo", "Kazuma Kiryu", "7419827498", "dragonodojima@gmail.com",  
 "https://i1.sndcdn.com/artworks-000229198238-kujoab-t240x240.jpg"),  
 ("activo", "Zangieff", "182471894", "ZanGieff@gmail.com", "https://i.redd.it/54p36l9pl66c1.png"),  
 ("activo", "Donkey Kong", "81290380", "Bananaslama@gmail.com",  
 "https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQHOIZv7N7IVBykAUfoqV5ydL3KJDVXD5nNZg&s="),  
 ("activo", "Ridley", "0123i01122", "Spacepirate@gmail.com",  
 "https://i1.sndcdn.com/artworks-000445860846-5q7pb8-t500x500.jpg"),  
 ("activo", "Ryugi Bakugami", "13290102", "GozyuTyranno@gmail.com",  
 "https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQrp4Ln47FgyoELHHUI5cF4JqMM5OjciuTPwA&s="),  
 ("activo", "Alex Louis Armstrong", "120390123", "Hierropuro@hotmail.com",  
 "https://i.pinimg.com/736x/94/62/49/94624958ae793c52f029902b18e33149.jpg"),  
 ("activo", "Kazuma", "93012091230", "gokuxsiempre@gmail.com",  
 "https://pm1.aminoapps.com/7150/efb33ad8993380a7ae42a490d79cc6409ecdb232r1-720-853v2\_hq.jpg"),  
 ("activo", "Kirito", "139031902", "VRblack@gmail.com",  
 "https://i.pinimg.com/474x/be/af/19/beaf19bddc33fde29014ab186c9e61.jpg"),  
 ("activo", "Dardo Fusseneco", "381431232", "Fusseneco@gmail.com",  
 "https://diariohoynet.nyc3.cdn.digitaloceanspaces.com/adjuntos/galerias/000/235/0000235141.jpg"),  
 ("activo", "Kasane Teto", "312091230", "Pearito@gmail.com",  
 "https://i.pinimg.com/564x/b7/39/0d/b7390dad9886862170d0b130cfd53cb.jpg");

```

CREATE TABLE IF NOT EXISTS ventas (
  ID_Venta INT AUTO_INCREMENT PRIMARY KEY,
  numero_orden INT NOT NULL,
  fecha_venta DATE DEFAULT CURRENT_TIMESTAMP,
  FK_IDUsuario INT NOT NULL,
  FK_IDProd INT NOT NULL,
  cantidad INT NOT NULL,
  precio_unitario DECIMAL(10,2) NOT NULL,
  total_producto DECIMAL(10,2) AS (cantidad * precio_unitario) STORED,
  total_orden DECIMAL(10,2),
  estado ENUM('completada', 'anulada') DEFAULT 'completada',

  FOREIGN KEY (FK_IDUsuario) REFERENCES usuarios(ID_Usuario),
  FOREIGN KEY (FK_IDProd) REFERENCES productos(ID_Prod)
);

```

```
CREATE TABLE IF NOT EXISTS carrito (  
ID_Carrito INT PRIMARY KEY NOT NULL auto_increment,  
FK_IDUsuario INT NOT NULL,  
FK_IDProd INT NOT NULL,  
cantidad INT NOT NULL,  
FOREIGN KEY (FK_IDUsuario) REFERENCES usuarios(ID_Usuario),  
FOREIGN KEY (FK_IDProd) REFERENCES productos(ID_Prod)  
);
```