* Link al motor de base de datos online

https://onecompiler.com/mysql

* Consultas SQL DDL y DML CREATE TABLE 'tipo inversor' ('id_tipo_inversor' INT NOT NULL AUTO_INCREMENT, `tipo_inversor` VARCHAR(45) NULL, PRIMARY KEY ('id_tipo_inversor')) ENGINE = InnoDB; CREATE TABLE 'inversor' ('id_tipo_inversor' INT NOT NULL, `cuit_o_cuil` VARCHAR(11) NOT NULL, 'nombre' VARCHAR(45) DEFAULT NULL, 'apellido' VARCHAR(45) DEFAULT NULL, 'email' VARCHAR(200) DEFAULT NULL, `contrasena` VARCHAR(45) DEFAULT NULL, `fecha_alta_inversor` DATE DEFAULT NULL, `saldo_inicial` DECIMAL(10, 2) DEFAULT NULL, PRIMARY KEY ('cuit_o_cuil'), INDEX `cuit_o_cuil_idx` (`cuit_o_cuil` ASC) VISIBLE, CONSTRAINT `fk_id_tipo_inversor` FOREIGN KEY ('id_tipo_inversor') REFERENCES `tipo_inversor` (`id_tipo_inversor`) ON DELETE NO ACTION ON UPDATE NO ACTION)

ENGINE = InnoDB;

```
CREATE TABLE 'accion' (
 'id_accion' INT NOT NULL AUTO_INCREMENT,
 `nombre_accion` VARCHAR(45) NULL,
 `simbolo_accion` VARCHAR(45) NULL,
 PRIMARY KEY ('id_accion'))
ENGINE = InnoDB;
CREATE TABLE 'cotizacion' (
 'id_cotizacion_accion' INT NOT NULL AUTO_INCREMENT,
 'id_accion' INT NOT NULL,
 `fecha_hora` DATETIME(6) NULL,
 `precio_venta` FLOAT NULL,
 `precio_compra` FLOAT NULL,
 PRIMARY KEY ('id_cotizacion_accion'),
 INDEX `id_accion_idx` (`id_accion` ASC) VISIBLE,
 CONSTRAINT 'id_accion'
 FOREIGN KEY ('id_accion')
  REFERENCES 'accion' ('id_accion')
  ON DELETE NO ACTION
  ON UPDATE NO ACTION)
ENGINE = InnoDB;
CREATE TABLE 'tipo_transaccion' (
 'id_tipo_transaccion' INT NOT NULL AUTO_INCREMENT,
 `tipo_transaccion` VARCHAR(45) NULL,
 PRIMARY KEY ('id_tipo_transaccion'))
ENGINE = InnoDB;
CREATE TABLE `transaccion` (
 'id_transaccion' INT NOT NULL AUTO_INCREMENT,
 `id_tipo_transaccion` INT NOT NULL,
```

```
`cuit_o_cuil` VARCHAR(11) NOT NULL,
 'id_cotizacion_accion' INT NOT NULL,
 `cantidad_accion` FLOAT NULL,
 `fecha_hora_transaccion` DATETIME(6) NULL,
 `valor_transaccion` FLOAT NULL,
PRIMARY KEY ('id_transaccion'),
INDEX `cuit_o_cuil_idx` (`cuit_o_cuil` ASC) INVISIBLE,
INDEX 'id cotizacion accion idx' ('id cotizacion accion' ASC) VISIBLE,
INDEX `id_tipo_transaccion_idx` (`id_tipo_transaccion` ASC) INVISIBLE,
CONSTRAINT 'cuit o cuil'
 FOREIGN KEY ('cuit_o_cuil')
 REFERENCES 'inversor' ('cuit o cuil')
 ON DELETE NO ACTION
 ON UPDATE NO ACTION,
CONSTRAINT 'id_cotizacion_accion'
 FOREIGN KEY ('id_cotizacion_accion')
 REFERENCES `cotizacion` (`id_cotizacion_accion`)
 ON DELETE NO ACTION
 ON UPDATE NO ACTION,
CONSTRAINT `id_tipo_transaccion`
 FOREIGN KEY (`id_tipo_transaccion`)
 REFERENCES `tipo_transaccion` (`id_tipo_transaccion`)
 ON DELETE NO ACTION
 ON UPDATE NO ACTION)
ENGINE = InnoDB;
CREATE TABLE 'broker' (
 'id_comision' INT NOT NULL AUTO_INCREMENT,
 'id_transaccion' INT NOT NULL,
 'comision' FLOAT NULL,
PRIMARY KEY ('id_comision'),
```

```
INDEX 'id_transaccion_idx' ('id_transaccion' ASC) VISIBLE,
 CONSTRAINT 'id_transaccion'
 FOREIGN KEY ('id_transaccion')
 REFERENCES 'transaccion' ('id_transaccion')
 ON DELETE NO ACTION
  ON UPDATE NO ACTION)
ENGINE = InnoDB;
INSERT INTO accion (nombre accion, simbolo accion)
VALUES ("Yacimientos", "YPF"),
   ("Aceitera", "AGD"),
   ("ArcorArgentina", "ARCOR"),
   ("Google", "GOO");
INSERT INTO cotizacion (id_accion, fecha_hora, precio_venta, precio_compra)
VALUES (1, "2024-10-20 15:20:09.000000", 1.79, 1.89),
   (1, "2024-10-20 10:04:12.000000", 1.09, 1.18),
   (3, "2024-10-20 10:04:27.000000", 1.09, 1.18),
   (3, "2024-10-20 10:36:04.000000", 1.29, 1.38),
   (2, "2024-10-20 10:36:29.000000", 2.29, 2.30),
   (4, "2024-10-19 10:20:29.000000", 1.30, 1.50);
INSERT INTO tipo_inversor (tipo_inversor)
VALUES ("Física"),
   ("Jurídica");
INSERT INTO tipo_transaccion (tipo_transaccion)
VALUES ("Compra"),
   ("Venta");
```

```
fecha_alta_inversor, saldo_inicial)
VALUES (1, "27217183974", "Mariela", "Suarez", "marielarosa@gmail.com", "Hola567*",
"2024-09-15", 1000000),
   (1, "20112223338", "Estela", "Cáceres", "caceres.estela@gmail.com", "Yo$567pp", "2024-
09-19", 1000000),
   (1, "20253428997", "Ulises", "Martinelli", "ulisesmar@gmail.com", "Arg00Cor$8", "2024-
10-18", 1000000);
INSERT INTO transaccion (id_tipo_transaccion, cuit_o_cuil, id_cotizacion_accion,
cantidad accion, fecha hora transaccion, valor transaccion)
VALUES (1, "27217183974", 2, 5, "2020-10-24 23:56:00", 1.09),
   (1, "20253428997", 2, 3, "2020-10-20 10:53:00", 1.38),
   (2, "27217183974", 3, 5, "2020-10-24 19:56:00", 1.38),
   (1, "20112223338", 2, 15, "2021-10-24 23:56:00", 1.09);
INSERT INTO broker (id transaccion, comision)
VALUES (1, 1.64),
   (2, 1.09),
   (3, 1.38);
SELECT * FROM transaccion;
SELECT id comision, comision
FROM broker
WHERE comision > 1.99;
SELECT id_accion, precio_venta, precio_compra
FROM cotizacion
WHERE fecha_hora BETWEEN "2020-10-24 0:0:0" AND NOW();
SELECT nombre_accion, simbolo_accion
```

FROM accion

INSERT INTO inversor (id_tipo_inversor, cuit_o_cuil, nombre, apellido, email, contrasena,

```
WHERE nombre_accion LIKE "Y%";
SELECT MAX(valor_transaccion), MIN(valor_transaccion)
FROM transaccion
WHERE id_tipo_transaccion = 1;
SELECT cuit_o_cuil, apellido, nombre, email
FROM inversor
ORDER BY apellido, nombre;
SELECT id_tipo_transaccion, SUM(valor_transaccion)
FROM transaccion
GROUP BY id_tipo_transaccion;
SELECT accion.nombre_accion, cotizacion.fecha_hora, cotizacion.precio_venta
FROM accion JOIN cotizacion
ON accion.id_accion = cotizacion.id_accion;
SELECT inversor.apellido, inversor.nombre, transaccion.cantidad_accion,
transaccion.valor_transaccion
FROM inversor LEFT JOIN transaccion
ON inversor.cuit_o_cuil = transaccion.cuit_o_cuil;
SELECT inversor.apellido, inversor.nombre, tipo_transaccion.tipo_transaccion,
transaccion.valor_transaccion
FROM inversor JOIN transaccion
ON inversor.cuit_o_cuil = transaccion.cuit_o_cuil
JOIN tipo_transaccion
ON transaccion.id_tipo_transaccion = tipo_transaccion.id_tipo_transaccion;
UPDATE cotizacion
SET precio_venta = 1.19, precio_compra = 1.15
```

```
WHERE id_cotizacion_accion = 2;

UPDATE inversor

SET nombre = "Stella"

WHERE cuit_o_cuil = "20112223338";

UPDATE inversor

SET fecha_alta_inversor = "2010-10-24"

WHERE cuit_o_cuil = "20999999990";

UPDATE transaccion

SET cantidad_accion = 8

WHERE id_transaccion = 3;

UPDATE transaccion

SET valor_transaccion = 1.65

WHERE cuit_o_cuil = "27217183974" AND id_cotizacion_accion = 2;
```

Output:

id_transacc	on id_tipo_trans	accion cui	it_o_cuil	id_cotizacion_accion	cantidad_accion	fecha_hora_transaccion	valor_transaccion
	1 2 3 4	1 202 2 272	217183974 253428997 217183974 1122233338	2 2 3 2	3 5	2020-10-24 23:56:00.000000 2020-10-20 10:53:00.000000 2020-10-24 19:56:00.000000 2021-10-24 23:56:00.000000	1.38

id_accion	precio_venta	precio_compra
1 1 3 3 2	1.79 1.09 1.09 1.29 2.29	1.89 1.18 1.18 1.38 2.3
+		+

Input for the program (Optional)

•	++
cuit_o_cuil apellido	t t
+	++
20112223338 Cáceres	Estela caceres.estela@gmail.com
20253428997 Martinelli	Ulises ulisesmar@gmail.com
27217183974 Suarez	Mariela marielarosa@gmail.com

| id_tipo_transaccion | SUM(valor_transaccion) | | 1 | 3.5600000619883306 | | 2 | 1.3799999952316284 |

++		+	+
nombre_accion	fecha_hora	1	precio_venta
+		+	+
Yacimientos	2024-10-20	15:20:09.000000	1.79
Yacimientos	2024-10-20	10:04:12.000000	1.09
Aceitera	2024-10-20	10:36:29.000000	2.29
ArcorArgentina	2024-10-20	10:04:27.000000	1.09
ArcorArgentina	2024-10-20	10:36:04.000000	1.29
Google	2024-10-19	10:20:29.000000	1.3

apellido	nombre	cantidad_accion	valor_transaccion
	+	+	+
Cáceres	Estela	15	1.09
Martinelli	Ulises	3	1.38
Suarez	Mariela	5	1.38
Suarez	Mariela	5	1.09

			++
apellido	nombre	tipo_transaccion	valor_transaccion
Suarez Martinelli	Mariela	Compra	1.09
Suarez Cáceres			1.38