

## SQL - Task 1

RDBMS used : MySql

➤ **Creating a database**

```
create database practice;
use practice;
```

➤ **Creating a “products” table – for footwear products with constraints**

```
create table products(
  prod_id int NOT NULL,
  prod_name varchar(50) NOT NULL,
  category varchar(20),
  price decimal NOT NULL, -- consider all price is Rs.
  color varchar(20),
  size tinyint,
  gender boolean, -- 1 represents male, 0 represents female
  PRIMARY KEY(prod_id),
  CHECK (price>0)
);
```

➤ **Table description**

```
desc products;
```

	Field	Type	Null	Key	Default	Extra
▶	prod_id	int(11)	NO	PRI	NULL	
	prod_name	varchar(50)	NO		NULL	
	category	varchar(20)	YES		NULL	
	price	decimal(10,0)	NO		NULL	
	color	varchar(20)	YES		NULL	
	size	tinyint(4)	YES		NULL	
	gender	tinyint(1)	YES		NULL	

➤ **Inserting data into the table**

```
insert into products values(1001,"sneakers","casual", 2500.00,"dark brown", 6, 1);
insert into products values(1002,"loafers","formal", 3500.00,"deep black", 7, 1);
insert into products values(1003,"boots","semi-formal", 3000.00,"black", 5, 0);
insert into products values(1004,"flip-flops","casual", 500.00,"blue", 5, 0);
```

➤ **Select query**

```
select * from products;
```

	prod_id	prod_name	category	price	color	size	gender
▶	1001	sneakers	casual	2500	dark brown	6	1
	1002	loafers	formal	3500	deep black	7	1
	1003	boots	semi-formal	3000	black	5	0
	1004	flip-flops	casual	500	blue	5	0
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL