Step 2 — Replication Configuration on Primary Server

- install nano

```
sudo apt-get install nano
```

- Edit my.cnf file

```
sudo nano /etc/mysql/my.cnf
```

```
[mysqld]
server-id = 1
log_bin = /var/log/mysql/mysql-bin.log
binlog_format = ROW
innodb_flush_log_at_trx_commit = 1
sync_binlog = 1
```

- Restart MySQL server

```
sudo systemctl restart mysql
```

- ```
  mysql -u root -p
  ```

- ```
  CREATE USER 'replica_user'@'%' IDENTIFIED BY 'strongpassword';
  GRANT REPLICATION SLAVE ON *.* TO 'replica_user'@'%';
  FLUSH PRIVILEGES;
  ```

- ```
  FLUSH TABLES WITH READ LOCK;
  SHOW MASTER STATUS;
  ```

- ```
  +------------------+----------+--------------+------------------+-------------------+
  | File             | Position | Binlog_Do_DB | Binlog_Ignore_DB | Executed_Gtid_Set |
  +------------------+----------+--------------+------------------+-------------------+
  | mysql-bin.000007 |   291136 |              |                  |                   |
  +------------------+----------+--------------+------------------+-------------------+
  ```

- ```
  UNLOCK TABLES;
  ```

- Go to the temp folder and export the database

```
mysqldump -u root -p --all-databases --master-data > db_dump.sql
```

- Export the specific table

```
mysqldump -u root -p your_database your_table > /tmp/your_table.sql
```

Unlock tables

```
UNLOCK TABLES;
```

- Transfer the database/table to the slave server

```
scp /tmp/your_table.sql user@slave_server:/tmp/
```

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```