

Prerequisites for creating the database

```
brew install mysql
```

```
brew services start mysql
```

```
sudo apt mysql_secure_installation // for secure installation of mysql
```

```
pip install mysql-connector-python // install the connector
```

```
mysql -u root -p // test if the mysql is running
```

CREATE DATABASE database_name;

Change the config.py file to this:

```
class config():  
    database_host = 'localhost' # or your AWS server IP  
    database_username = 'root'  
    database_password = 'your_password'  
    database = 'database_name'  
    upload_folder = 'static/question_images'
```

Make sure the variables in the database_connection.py file are in line with the config.py file

Create a test_connection.py file and copy and paste this into there:

```
import mysql.connector  
  
from config import config # Import the config class from config.py  
  
def test_database_connection():  
    try:  
        # Establish the connection using the details from config class  
        connection = mysql.connector.connect(  
            user=config.database_username, # Reference class attributes correctly  
            password=config.database_password,  
            host=config.database_host,  
            database=config.database  
        )
```

```
# Check if the connection is successful
if connection.is_connected():
    print("Connection successful!")
else:
    print("Failed to connect to the database.")
except mysql.connector.Error as err:
    print(f"Error: {err}")

finally:
    # Close the connection
    if 'connection' in locals() and connection.is_connected():
        connection.close()
        print("Connection closed.")
# Call the function to test the connection
test_database_connection()
```