**SISTEM PERPUSTAKAAN SEKOLAH**

1. Tabel Buku

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID Buku | Judul Buku | Penulis | Kategori | Stok |
| 1 | Algoritma dan Pemrograman | Andi Wijaya | Teknologi | 5 |
| 2 | Dasar-dasar Database | Budi Santoso | Teknologi | 7 |
| 3 | Matematika Diskrit | Rina Sari | Matematika | 4 |
| 4 | Sejarah Dunia | John Smith | Sejarah | 3 |
| 5 | Pemrograman Web dengan PHP | Eko Prasetyo | Teknologi | 8 |
| 6 | Sistem Operasi | Dian Kurniawan | Teknologi | 6 |
| 7 | Jaringan Komputer | Ahmad Fauzi | Teknologi | 5 |
| 8 | Cerita Rakyat Nusantara | Lestari Dewi | Sastra | 9 |
| 9 | Bahasa Inggris untuk Pemula | Jane Doe | Bahasa | 10 |
| 10 | Biologi Dasar | Budi Rahman | Sains | 7 |
| 11 | Kimia Organik | Siti Aminah | Sains | 5 |
| 12 | Teknik Elektro | Ridwan Hakim | Teknik | 6 |
| 13 | Fisika Modern | Albert Einstein | Sains | 4 |
| 14 | Manajemen Waktu | Steven Covey | Pengembangan | 8 |
| 15 | Strategi Belajar Efektif | Tony Buzan | Pendidikan | 6 |

1. Tabel Siswa

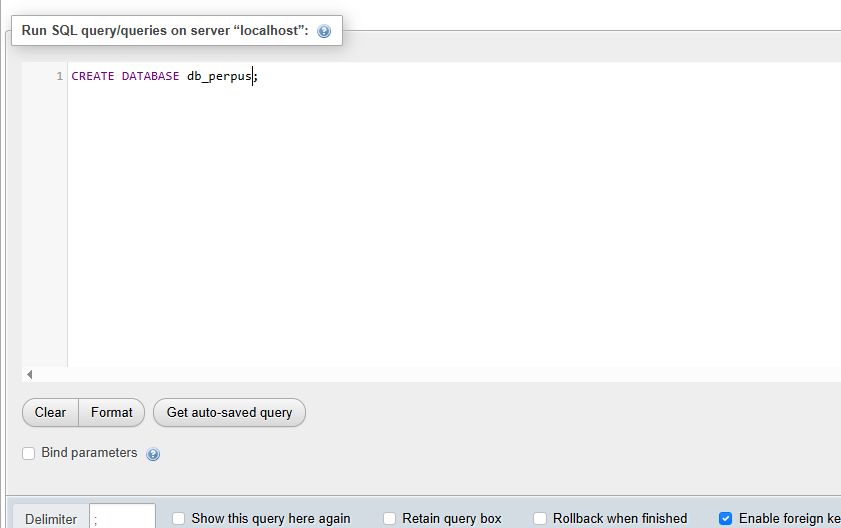
|  |  |  |
| --- | --- | --- |
| ID Siswa | Nama | Kelas |
| 1 | Andi Saputra | X-RPL |
| 2 | Budi Wijaya | X-TKJ |
| 3 | Citra Lestari | XI-RPL |
| 4 | Dewi Kurniawan | XI-TKJ |
| 5 | Eko Prasetyo | XII-RPL |
| 6 | Farhan Maulana | XII-TKJ |
| 7 | Gita Permata | X-RPL |
| 8 | Hadi Sucipto | X-TKJ |
| 9 | Intan Permadi | XI-RPL |
| 10 | Joko Santoso | XI-TKJ |
| 11 | Kartika Sari | XII-RPL |
| 12 | Lintang Putri | XII-TKJ |
| 13 | Muhammad Rizky | X-RPL |
| 14 | Novi Andriana | X-TKJ |
| 15 | Olivia Hernanda | XI-RPL |

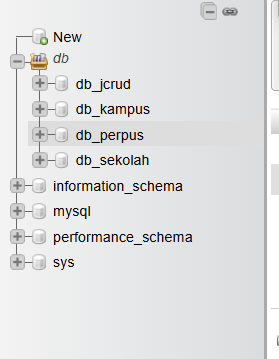
1. Tabel Peminjaman

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID Peminjaman | ID Siswa | ID Buku | Tanggal Pinjam | Tanggal Kembali | Status |
| 1 | 11 | 2 | 2025-02-01 | 2025-02-08 | Dipinjam |
| 2 | 2 | 5 | 2025-01-28 | 2025-02-04 | Dikembalikan |
| 3 | 3 | 8 | 2025-02-02 | 2025-02-09 | Dipinjam |
| 4 | 4 | 10 | 2025-01-30 | 2025-02-06 | Dikembalikan |
| 5 | 5 | 3 | 2025-01-25 | 2025-02-01 | Dikembalikan |
| 6 | 15 | 7 | 2025-02-01 | 2025-02-08 | Dipinjam |
| 7 | 7 | 1 | 2025-01-29 | 2025-02-05 | Dikembalikan |
| 8 | 8 | 9 | 2025-02-03 | 2025-02-10 | Dipinjam |
| 9 | 13 | 4 | 2025-01-27 | 2025-02-03 | Dikembalikan |
| 10 | 10 | 11 | 2025-02-01 | 2025-02-08 | Dipinjam |

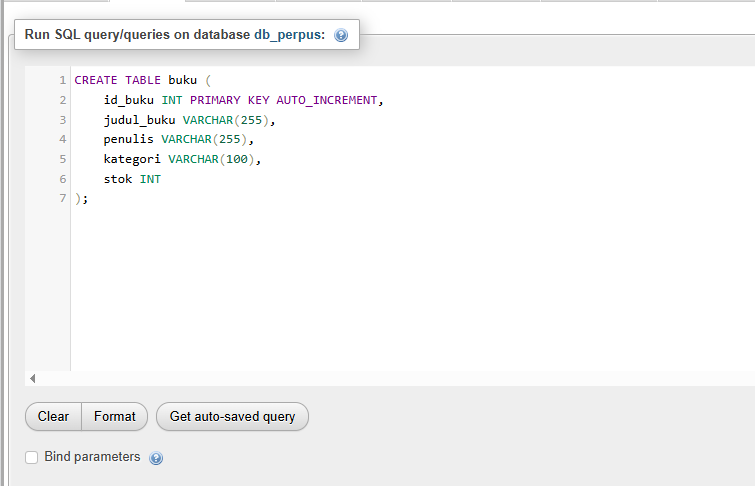
**TUGAS**

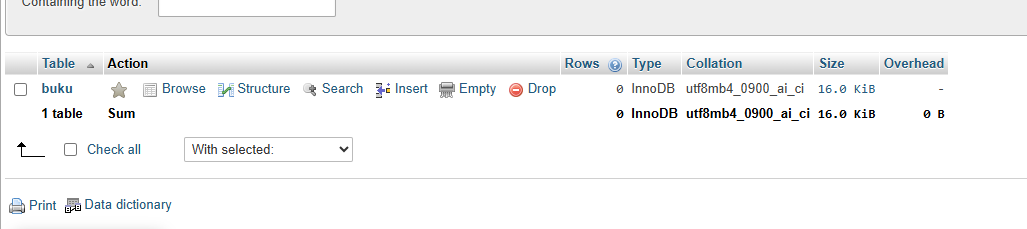
1. Buatlah database dengan nama db\_perpus.

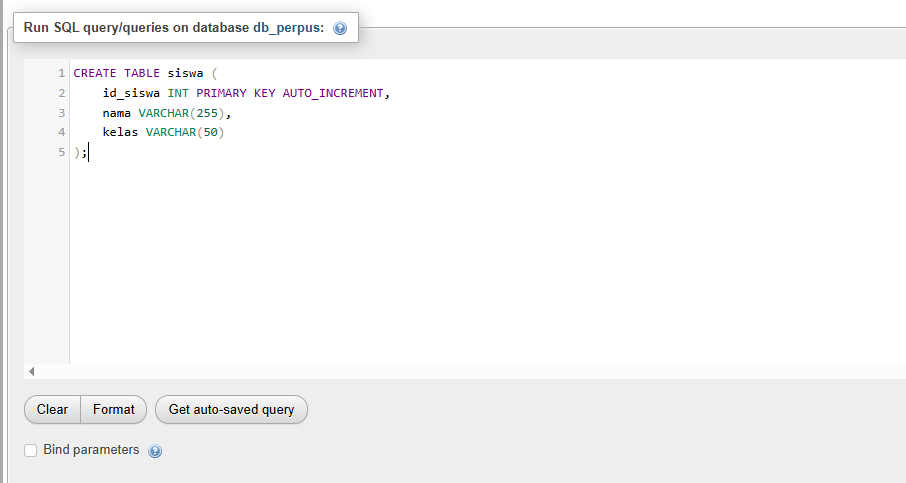


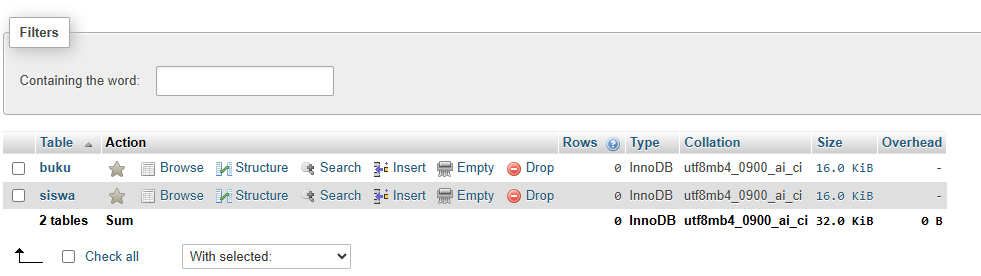


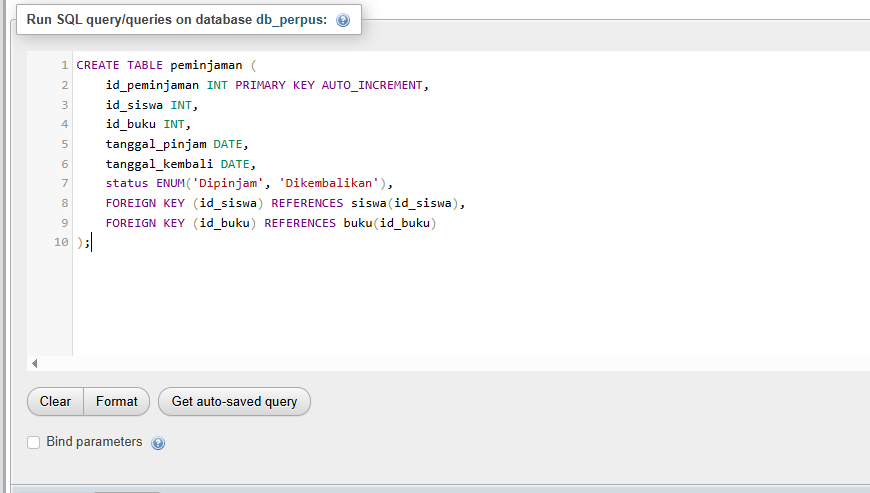
1. Buatlah table buku, siswa dan peminjaman.

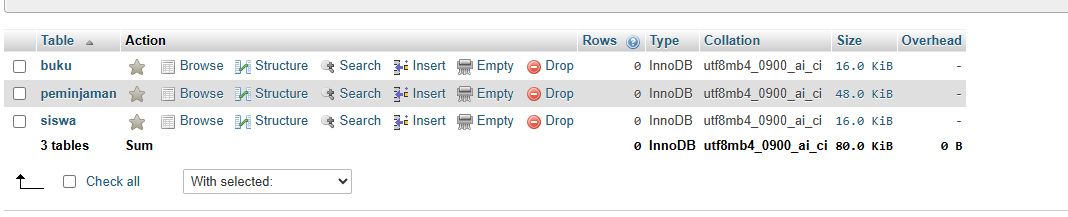






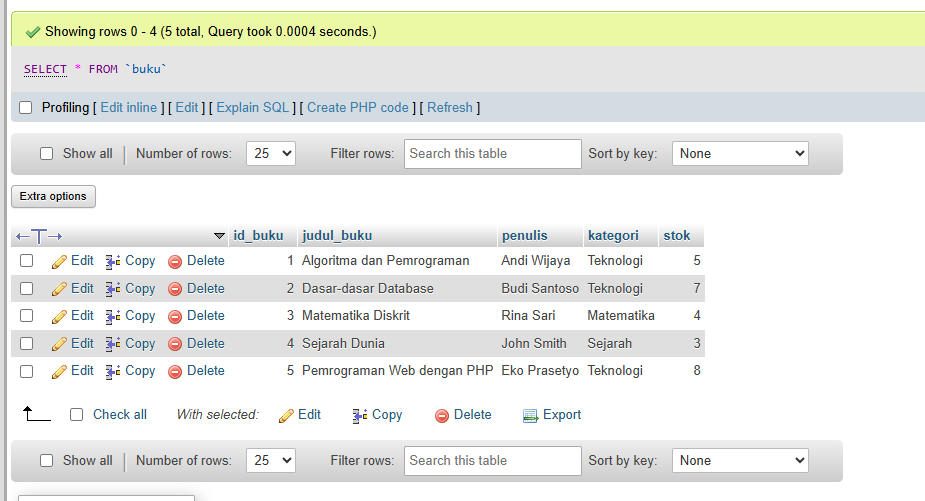


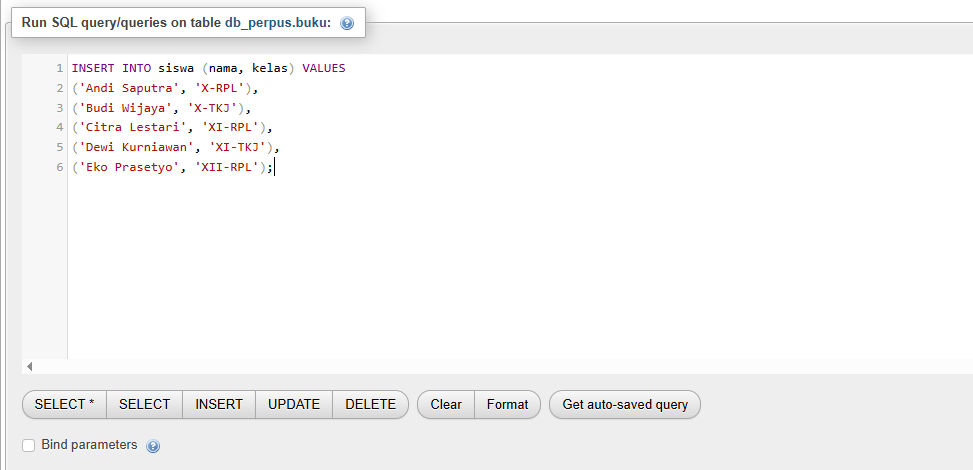


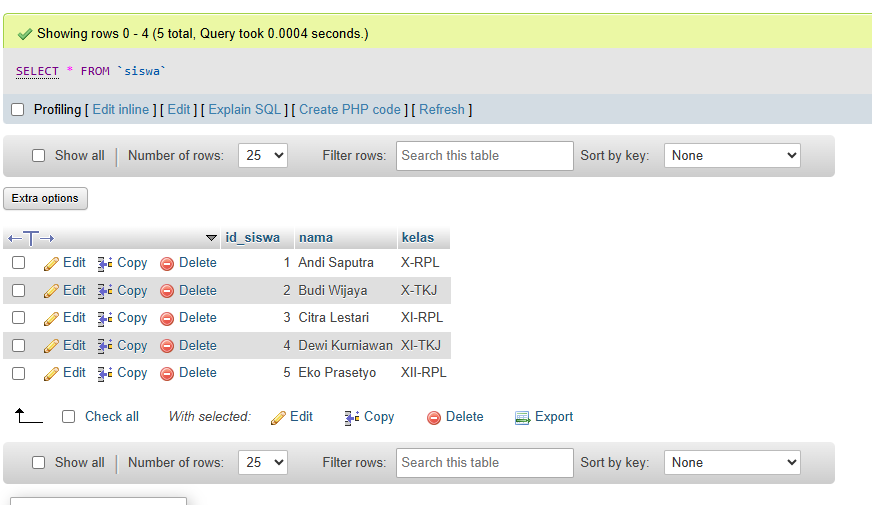


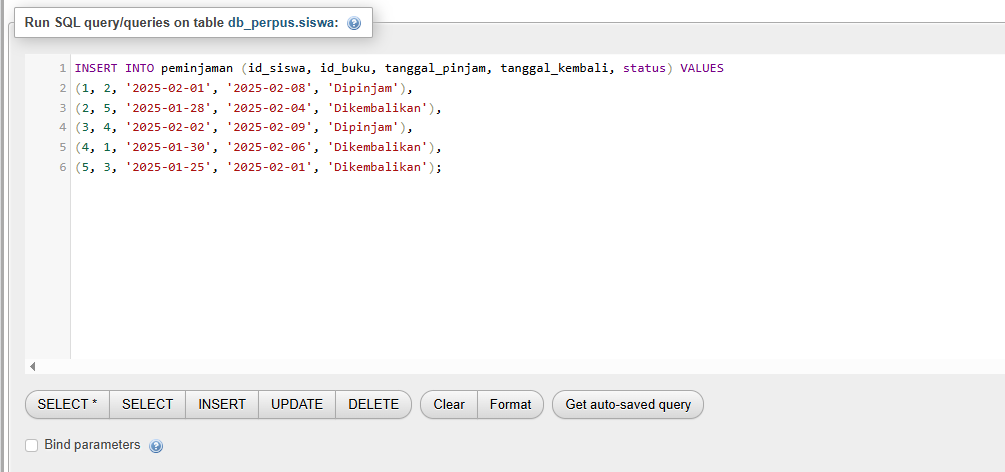
1. Input 5 record di setiap table menggunakan query INSERT.

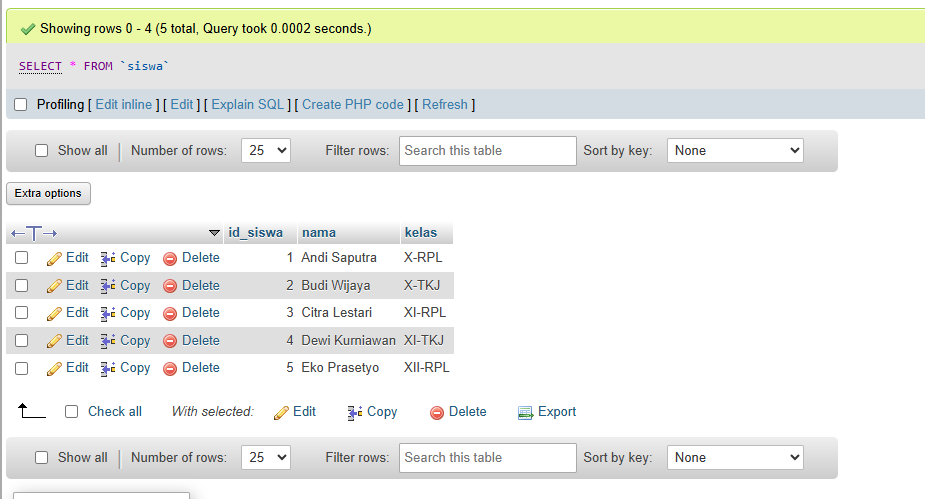




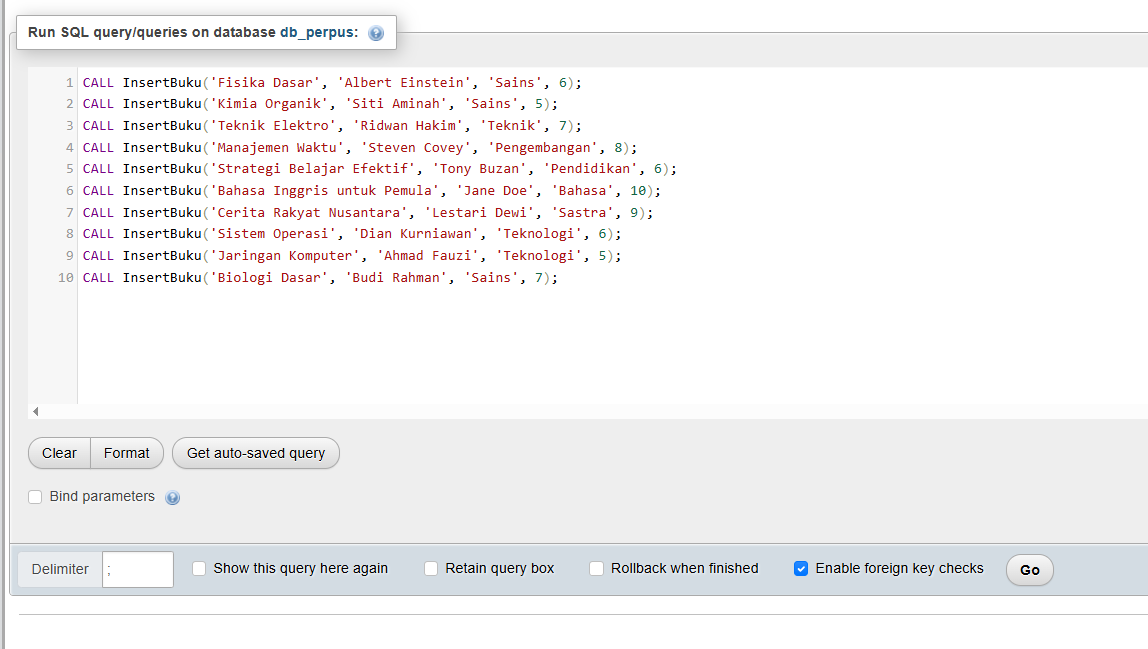


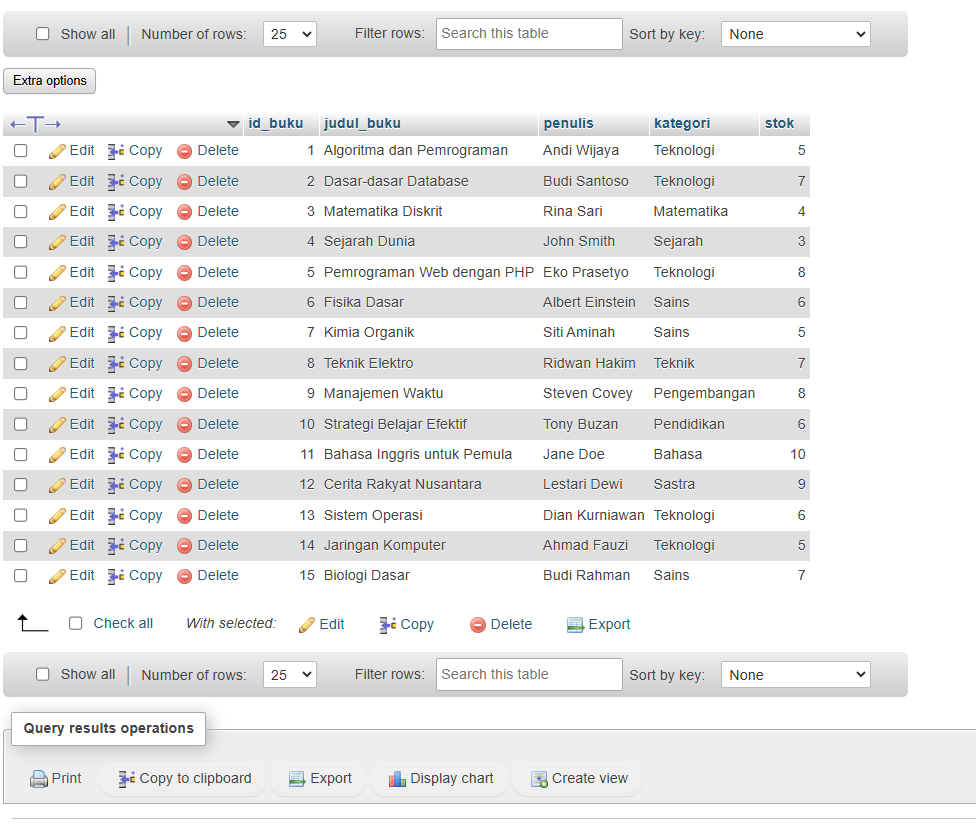






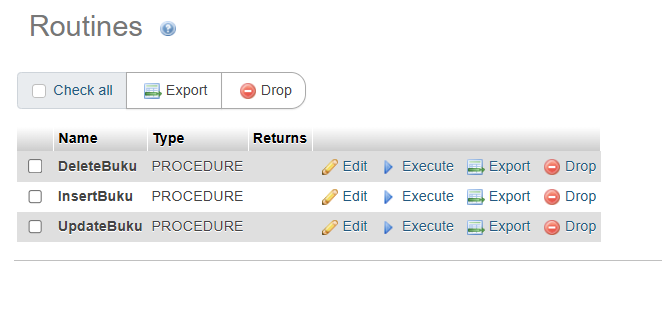
1. Input 10 record di setiap table menggunakan stored procedure INSERT.

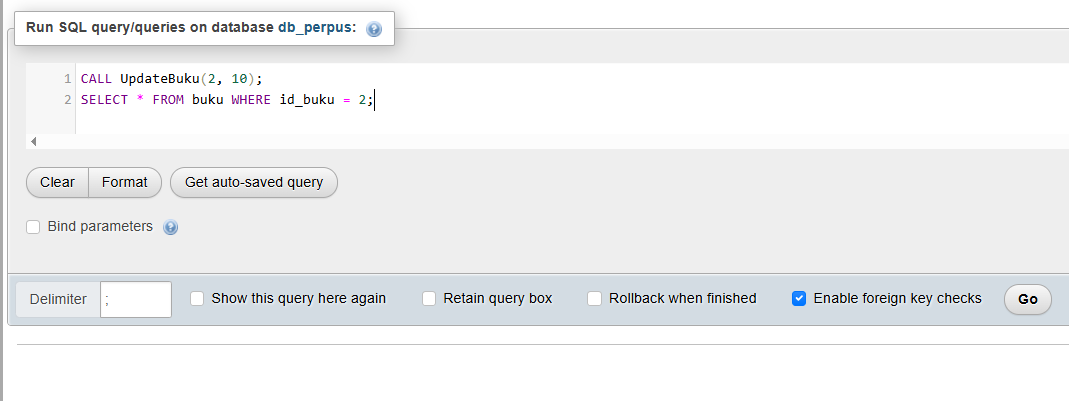


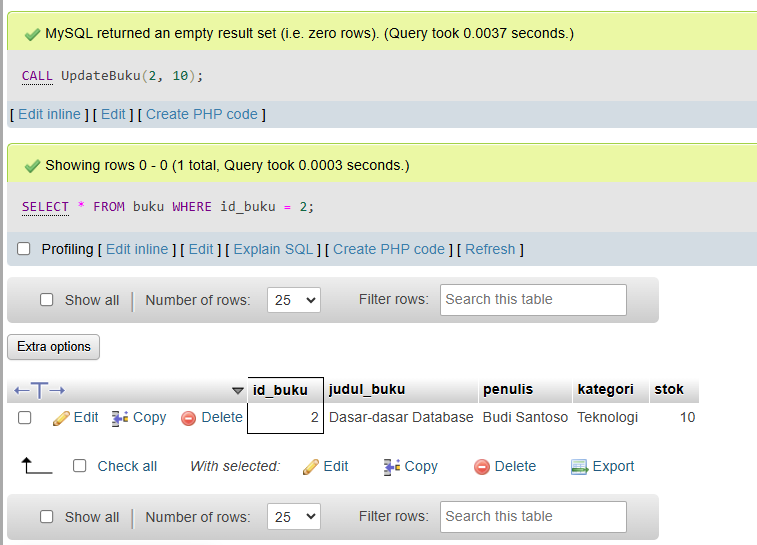


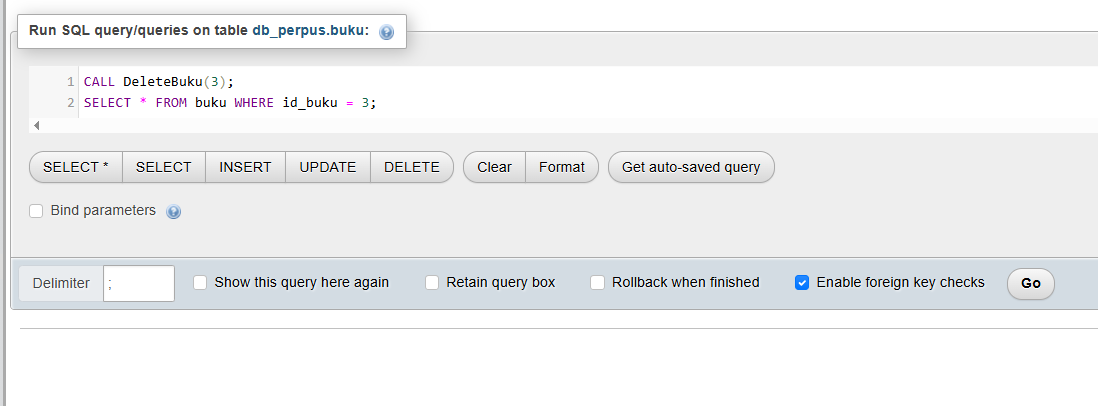
1. Buatlah stored procedure UPDATE, DELETE di setiap table.

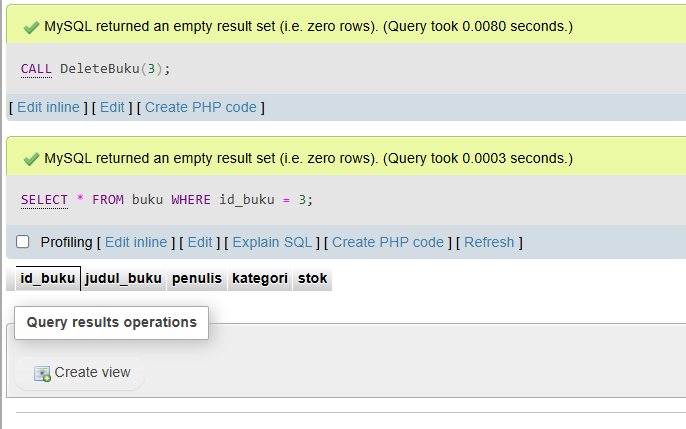




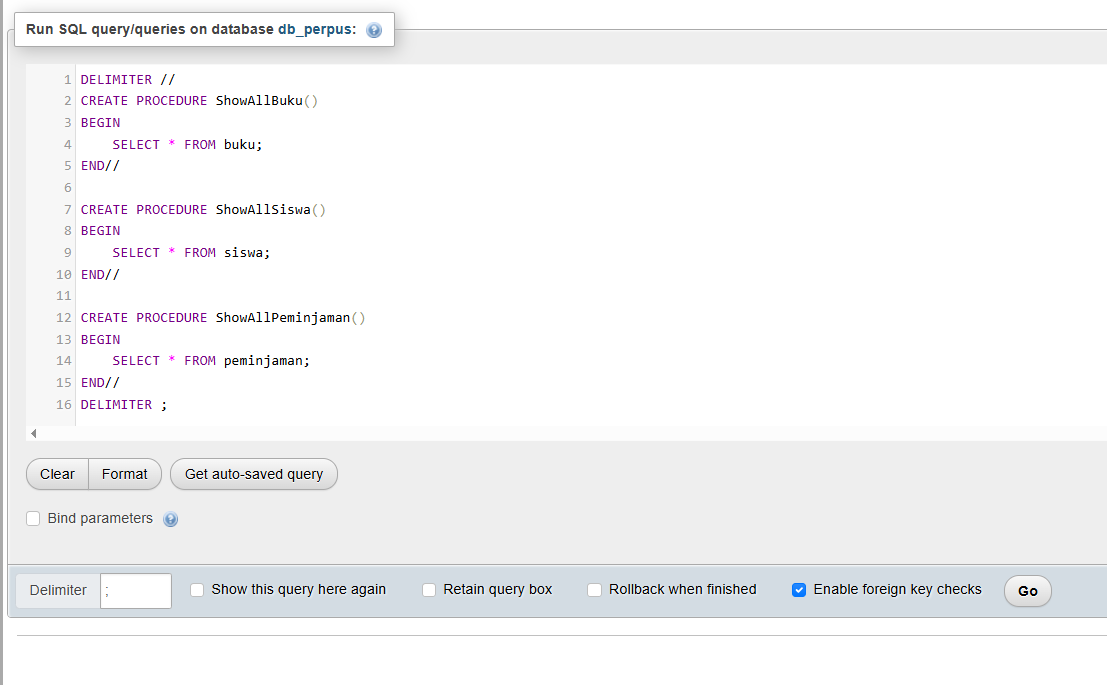


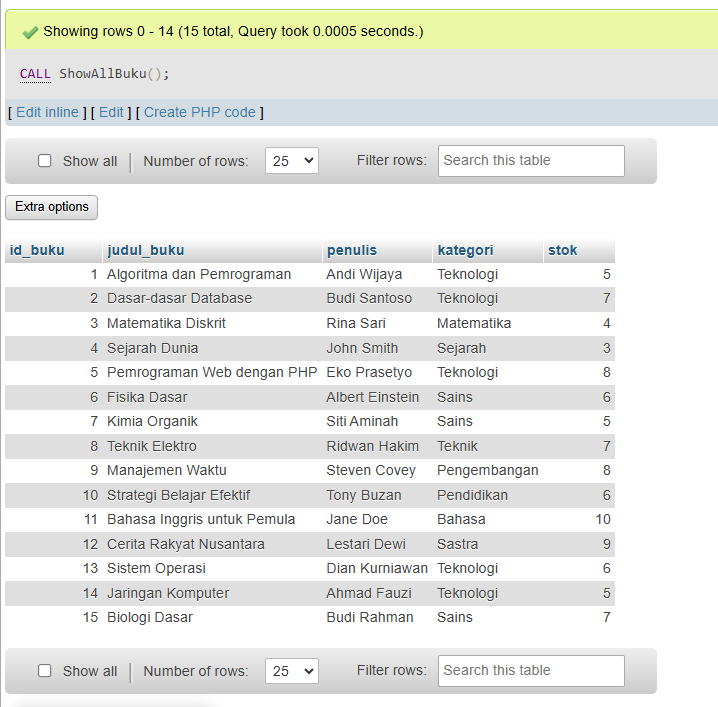


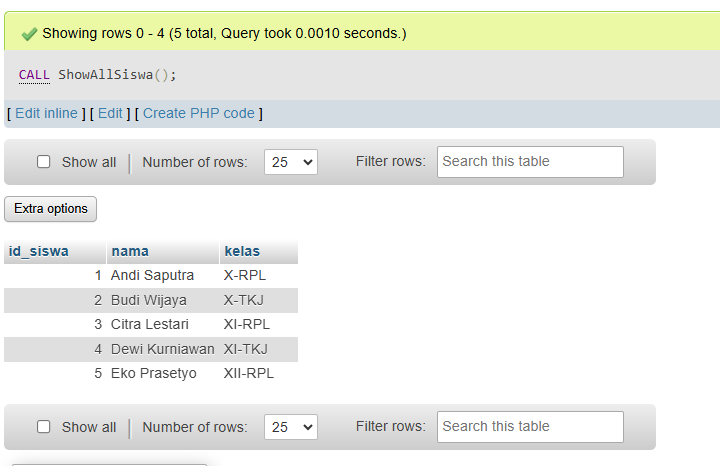


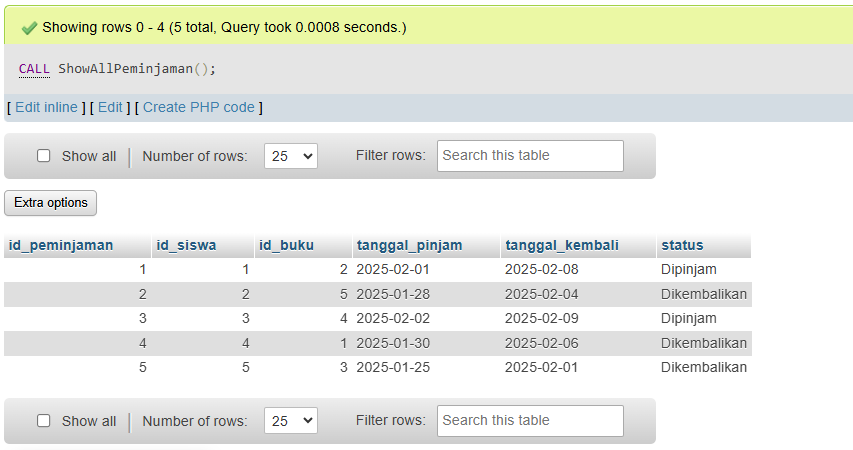


1. Buatlah stored procedure untuk menampilkan seluruh record di setiap table.

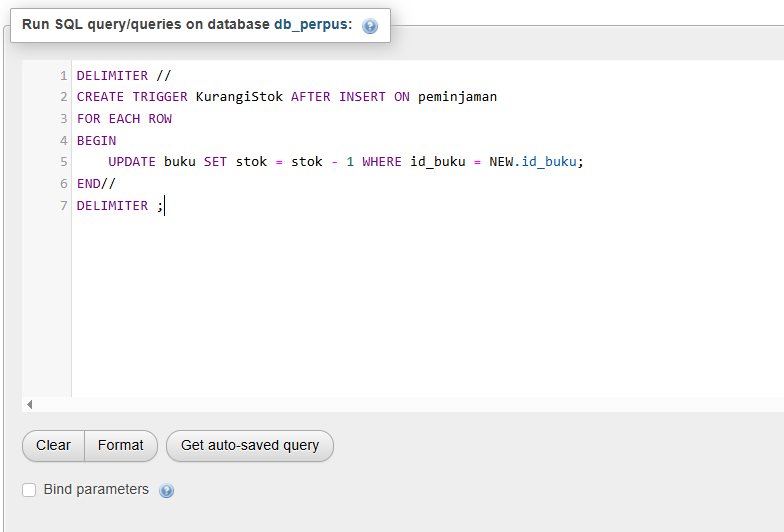


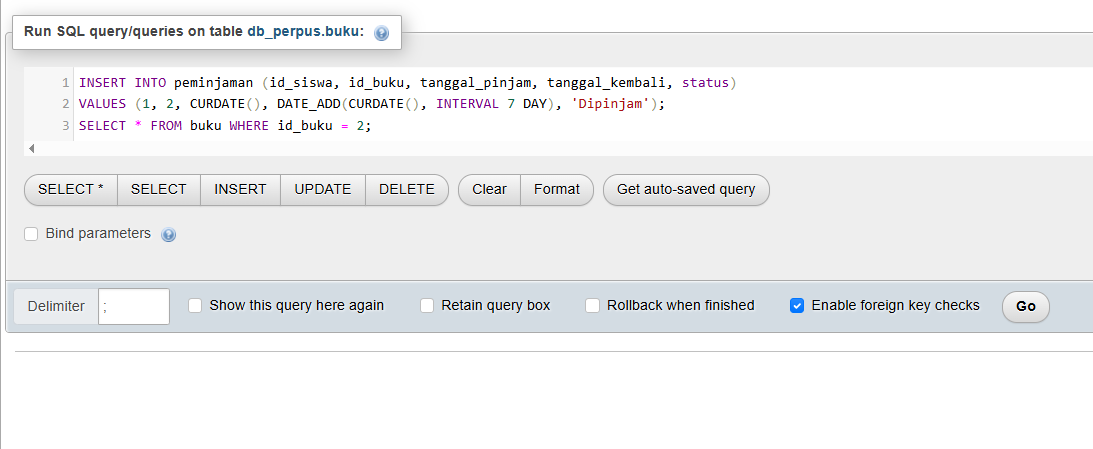






1. Stok buku pada saat dipinjam berkurang secara otomatis.





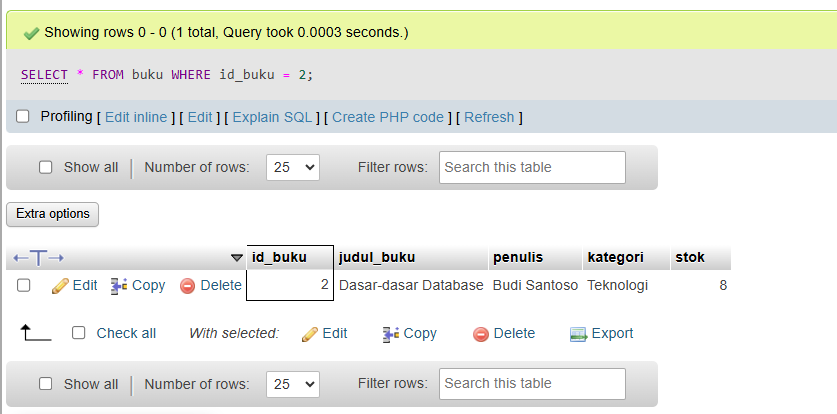


Stok berkurang 1, tadinya 10 (pada saat stored procedure update, di update menjadi 10)

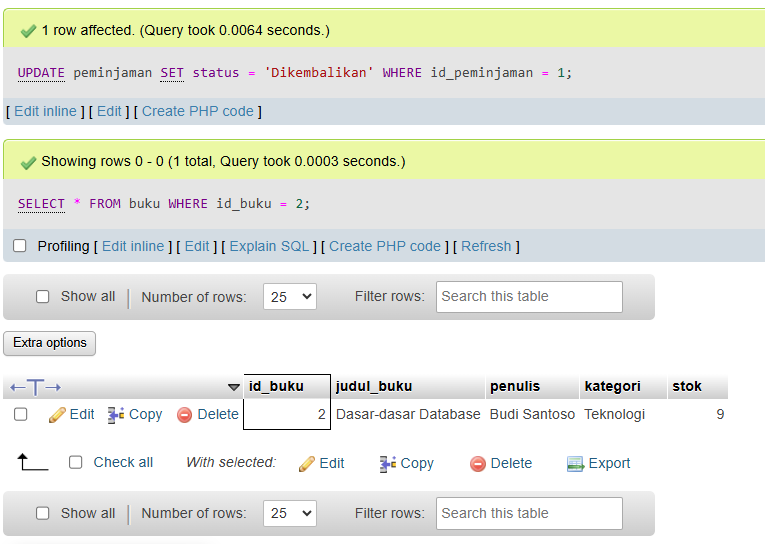
1. Stok buku pada saat dikembalikan bertambah secara otomatis.



Stok sebelum



Stok sesudah

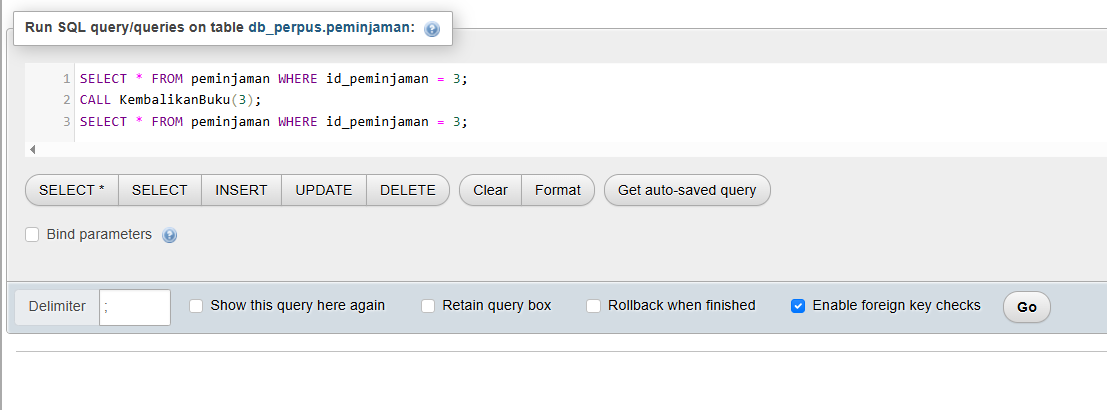


1. Buatlah stored procedure untuk mengembalikan buku dan gunakan tanggal pengembalian sesuai dengan tanggal saat mengembalikan (CURRENT DATE).

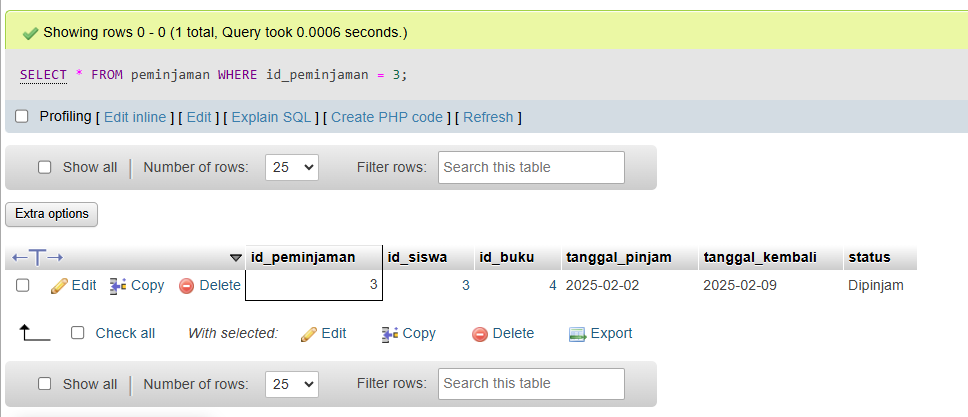




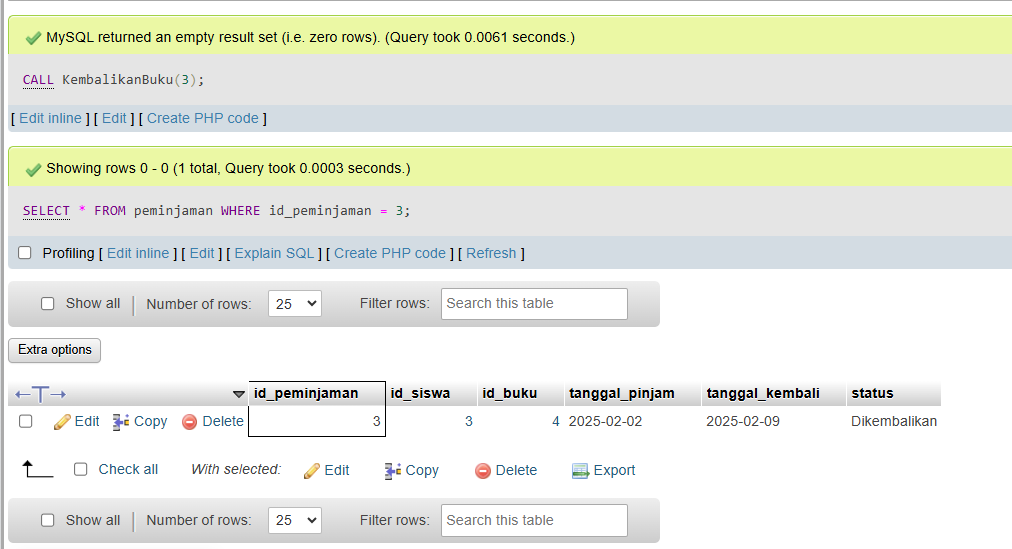
Query



Sebelum

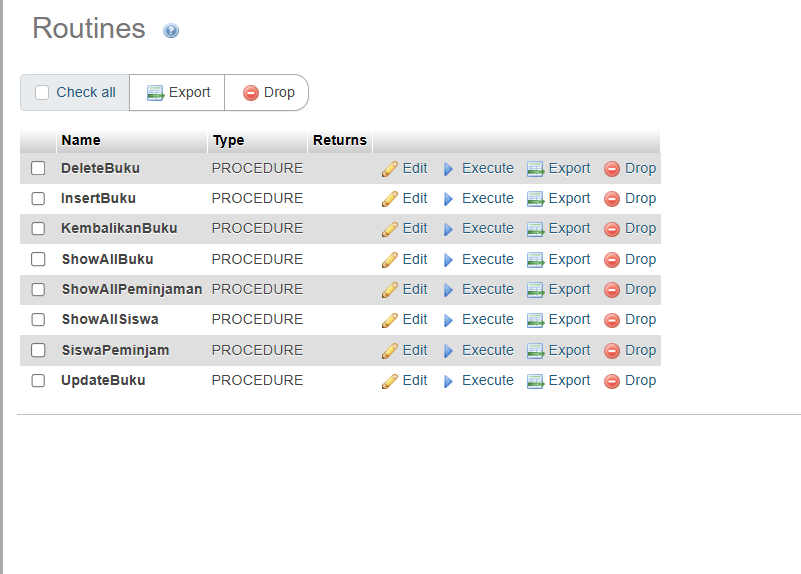


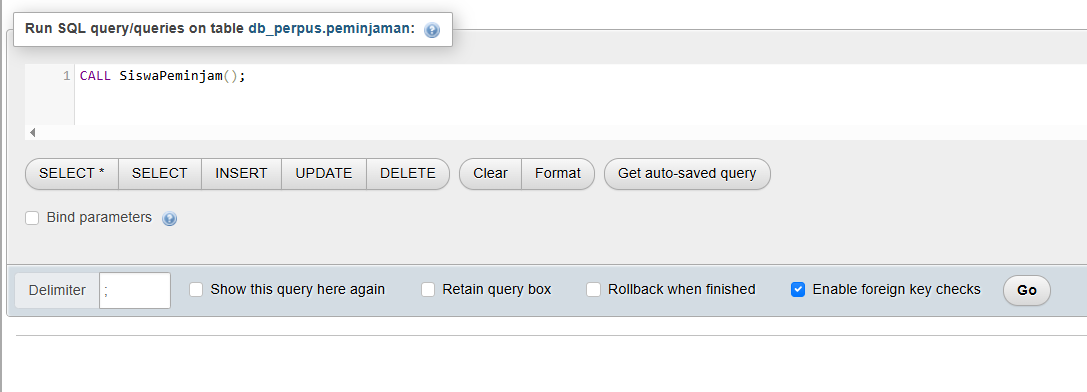
Sesudah

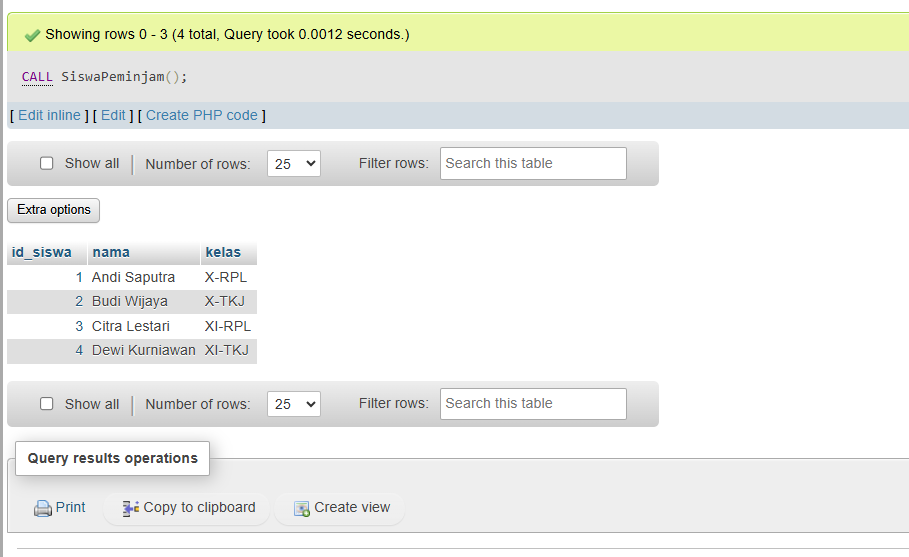


1. Buatlah stored procedure untuk menampilkan daftar siswa yang pernah meminjam buku.



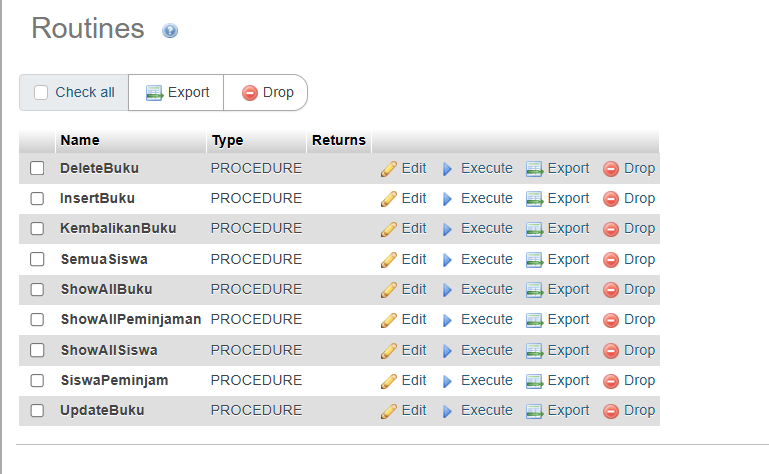


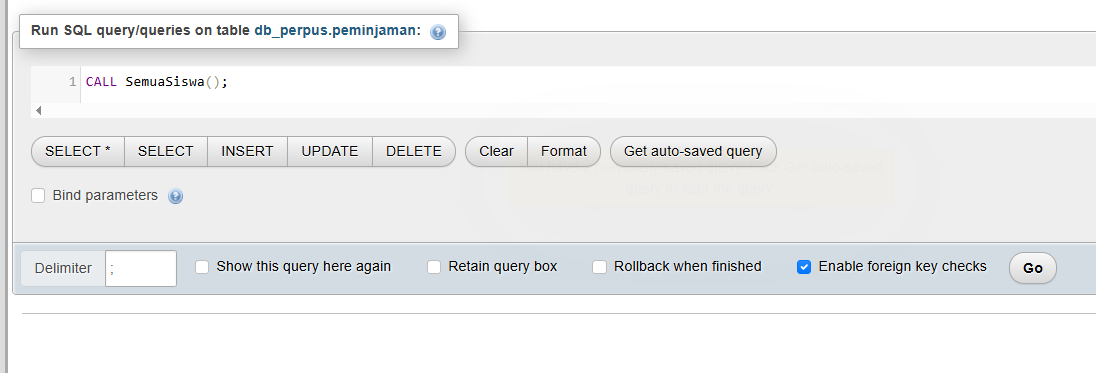


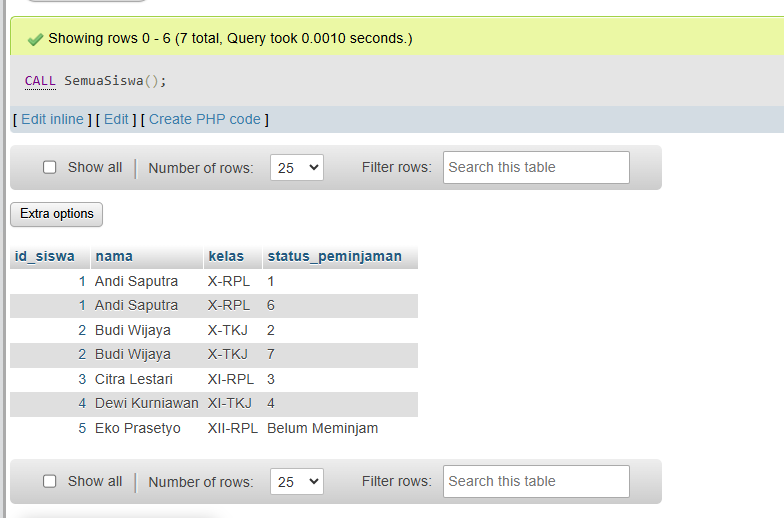


1. Buatlah stored procedure untuk menampilkan semua siswa, termasuk yang tidak pernah meminjam buku.

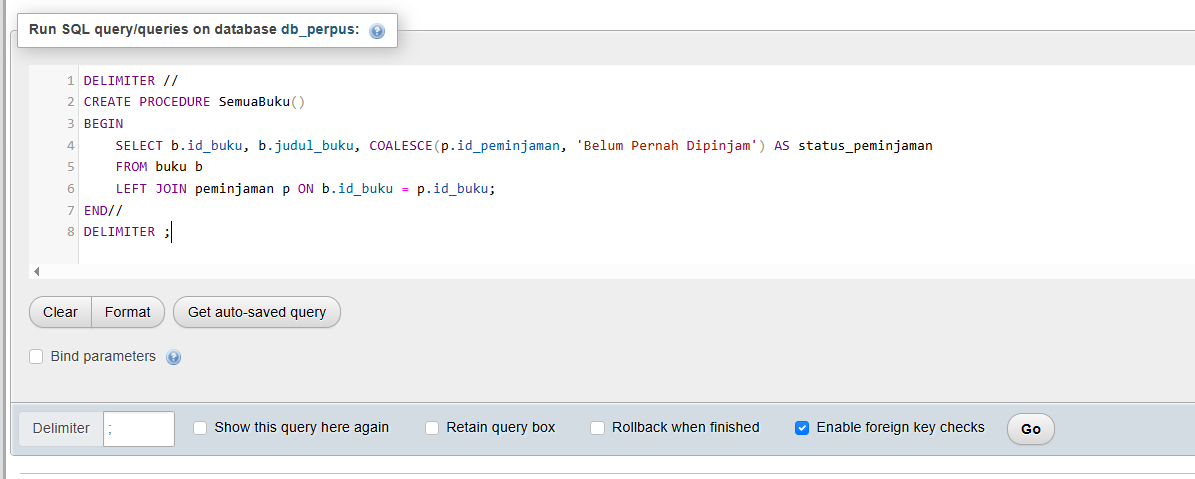


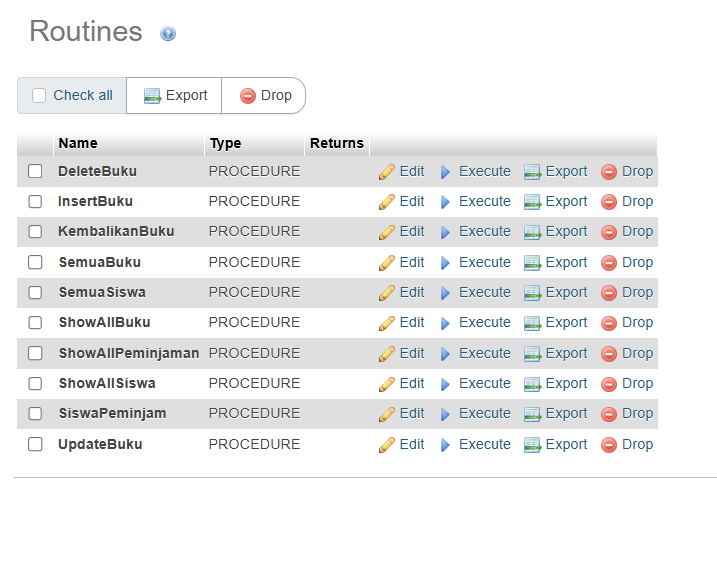


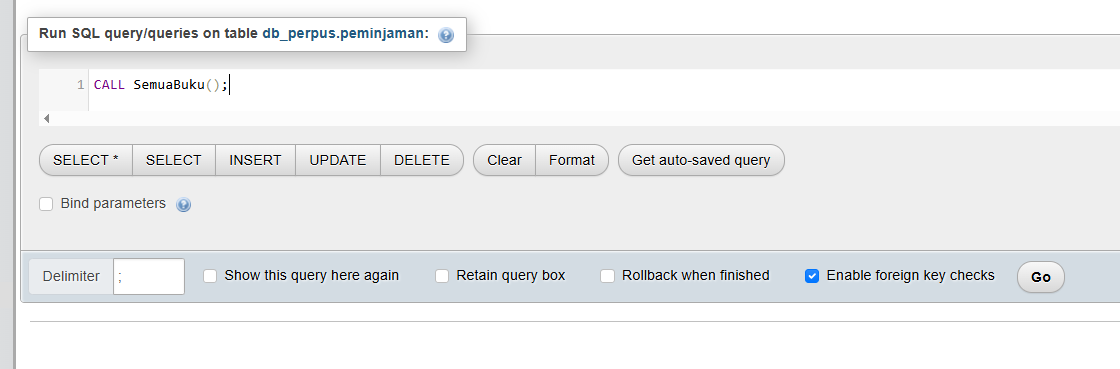


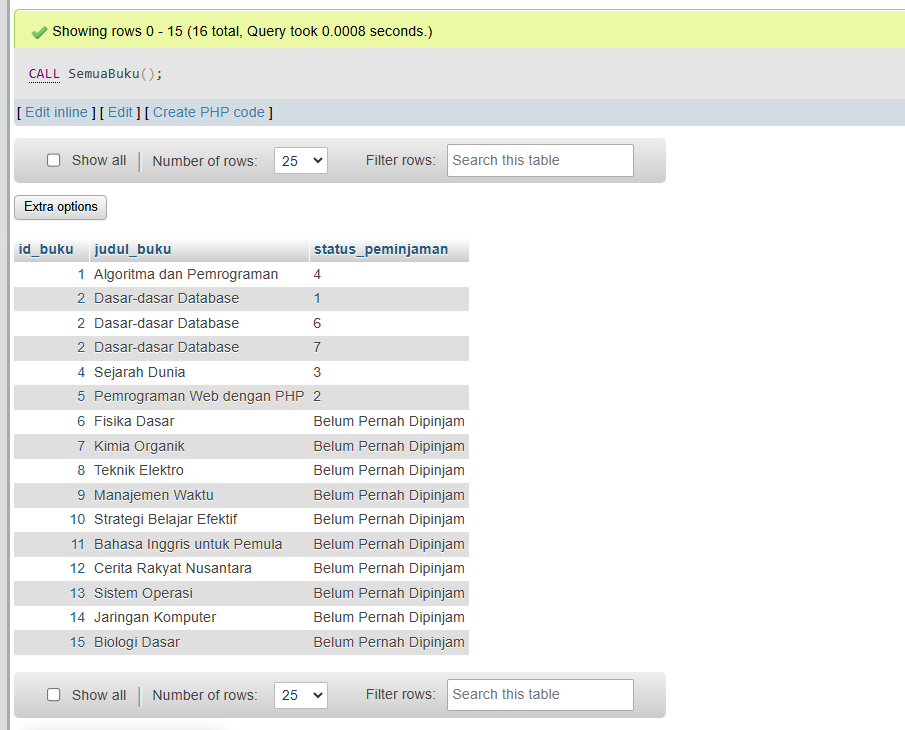


1. Buatlah stored procedure untuk menampilkan semua buku, termasuk yang belum pernah dipinjam.









**~ PUSH File SQL ke gitHub dengan nama repository Database-Pepustakaan-Sekolah ~**