**Documentation: localhost**

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# Servers

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## localhost

Database index

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See also

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### Server overview

Server properties

|  |  |
| --- | --- |
| Name | Value |
| Product | MySQL |
| Version | 8.0.22 |
| Hostname | localhost |
| Port | 3306 |

See also

[root@localhost:3306](#Link2)

### megabooks

Database objects

|  |  |
| --- | --- |
| Objects | Total |
| [Tables](#Link6) | 4 |
| [Users](#Link7) | 1 |

See also

[Database overview](#Link8)

#### Database overview

Database information

|  |  |
| --- | --- |
| Name | Value |
| Name | megabooks |
| Owner | localhost |
| Creation Date | 2020/11/30 10:10:41 PM |
| Collation | utf8\_general\_ci |
| Total Size | 0,1 MB |
| Data Directory | C:\ProgramData\MySQL\MySQL Server 8.0\Data\ |

See also

[megabooks](#Link4)

#### List of tables

Tables

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Creation date | Engine |
| [customers](#Link9) |  | 2020/11/28 6:39:07 PM | InnoDB |
| [employees](#Link10) |  | 2020/11/28 6:40:33 PM | InnoDB |
| [products](#Link11) |  | 2020/11/30 9:59:22 PM | InnoDB |
| [purchases](#Link12) |  | 2020/11/30 10:10:41 PM | InnoDB |

Total: 4 table(s)

See also

[Database overview](#Link8)

##### Table: customers

Properties

|  |  |
| --- | --- |
| Name | Value |
| Average row length | 3276 |
| Checksum | 0 |
| Collation | utf8\_general\_ci |
| Created | 2020/11/28 6:39:07 PM |
| Engine | InnoDB |
| Row format | Dynamic |
| Rows | 5 |
| Type | Table |

Columns

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Type | Is nullable | Key | Default | Extra | Precision | Scale | Description |
| customer\_id | bigint | ✗ | PRI |  |  | 19 | 0 |  |
| email | varchar(255) | ✓ |  |  |  | 0 | 0 |  |
| first\_name | varchar(255) | ✗ |  |  |  | 0 | 0 |  |
| last\_name | varchar(255) | ✗ |  |  |  | 0 | 0 |  |

Indexes

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cardinality | Collation | Name | Comment | Type | Unique | Name | Null | Packed | Seq in index | Sub part | Table |
| 5 | A | customer\_id |  | BTREE | ✓ | PRIMARY |  |  | 1 | 0 | customers |

Used by

|  |  |  |
| --- | --- | --- |
| Name | Type | Depth |
| [purchases](#Link12) | Table | 1 |

Script

CREATE TABLE `customers` (

`customer\_id` bigint NOT NULL,

`first\_name` varchar(255) NOT NULL,

`last\_name` varchar(255) NOT NULL,

`email` varchar(255) DEFAULT NULL,

PRIMARY KEY (`customer\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

See also

[List of tables](#Link6)

##### Table: employees

Properties

|  |  |
| --- | --- |
| Name | Value |
| Average row length | 3276 |
| Checksum | 0 |
| Collation | utf8\_general\_ci |
| Created | 2020/11/28 6:40:33 PM |
| Engine | InnoDB |
| Row format | Dynamic |
| Rows | 5 |
| Type | Table |

Columns

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Type | Is nullable | Key | Default | Extra | Precision | Scale | Description |
| employee\_id | bigint | ✗ | PRI |  |  | 19 | 0 |  |
| first\_name | varchar(255) | ✗ |  |  |  | 0 | 0 |  |
| last\_name | varchar(255) | ✗ |  |  |  | 0 | 0 |  |
| position\_held | varchar(45) | ✗ |  |  |  | 0 | 0 |  |
| start\_date | date | ✗ |  |  |  | 0 | 0 |  |

Indexes

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cardinality | Collation | Name | Comment | Type | Unique | Name | Null | Packed | Seq in index | Sub part | Table |
| 9 | A | employee\_id |  | BTREE | ✓ | PRIMARY |  |  | 1 | 0 | employees |

Used by

|  |  |  |
| --- | --- | --- |
| Name | Type | Depth |
| [purchases](#Link12) | Table | 1 |

Script

CREATE TABLE `employees` (

`employee\_id` bigint NOT NULL,

`first\_name` varchar(255) NOT NULL,

`last\_name` varchar(255) NOT NULL,

`start\_date` date NOT NULL,

`position\_held` varchar(45) NOT NULL,

PRIMARY KEY (`employee\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

See also

[List of tables](#Link6)

##### Table: products

Properties

|  |  |
| --- | --- |
| Name | Value |
| Average row length | 3276 |
| Checksum | 0 |
| Collation | utf8\_general\_ci |
| Created | 2020/11/30 9:59:22 PM |
| Engine | InnoDB |
| Row format | Dynamic |
| Rows | 5 |
| Type | Table |

Columns

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Type | Is nullable | Key | Default | Extra | Precision | Scale | Description |
| amount\_in\_stock | int | ✗ |  |  |  | 10 | 0 |  |
| price | decimal(5,2) | ✗ |  |  |  | 5 | 2 |  |
| product\_id | bigint | ✗ | PRI |  |  | 19 | 0 |  |
| product\_title | varchar(255) | ✗ | UNI |  |  | 0 | 0 |  |

Indexes

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cardinality | Collation | Name | Comment | Type | Unique | Name | Null | Packed | Seq in index | Sub part | Table |
| 0 | A | product\_id |  | BTREE | ✓ | PRIMARY |  |  | 1 | 0 | products |
| 0 | A | product\_title |  | BTREE | ✓ | product\_title\_UNIQUE |  |  | 1 | 0 | products |

Used by

|  |  |  |
| --- | --- | --- |
| Name | Type | Depth |
| [purchases](#Link12) | Table | 1 |

Script

CREATE TABLE `products` (

`product\_id` bigint NOT NULL,

`product\_title` varchar(255) NOT NULL,

`amount\_in\_stock` int NOT NULL,

`price` decimal(5,2) NOT NULL,

PRIMARY KEY (`product\_id`),

UNIQUE KEY `product\_title\_UNIQUE` (`product\_title`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

See also

[List of tables](#Link6)

##### Table: purchases

Properties

|  |  |
| --- | --- |
| Name | Value |
| Average row length | 1489 |
| Checksum | 0 |
| Collation | utf8\_general\_ci |
| Created | 2020/11/30 10:10:41 PM |
| Engine | InnoDB |
| Row format | Dynamic |
| Rows | 11 |
| Type | Table |

Columns

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Type | Is nullable | Key | Default | Extra | Precision | Scale | Description |
| amount\_paid | decimal(5,2) | ✗ |  |  |  | 5 | 2 |  |
| customer\_id | bigint | ✗ | MUL |  |  | 19 | 0 |  |
| employee\_id | bigint | ✓ | MUL |  |  | 19 | 0 |  |
| product\_id | bigint | ✗ | MUL |  |  | 19 | 0 |  |
| purchase\_date | datetime | ✗ |  |  |  | 0 | 0 |  |
| purchase\_id | bigint | ✗ | PRI |  |  | 19 | 0 |  |
| purchased\_online | tinyint | ✗ |  |  |  | 3 | 0 |  |

Indexes

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cardinality | Collation | Name | Comment | Type | Unique | Name | Null | Packed | Seq in index | Sub part | Table |
| 0 | A | purchase\_id |  | BTREE | ✓ | PRIMARY |  |  | 1 | 0 | purchases |
| 0 | A | customer\_id |  | BTREE | ✗ | purchases\_customer\_id\_idx |  |  | 1 | 0 | purchases |
| 0 | A | employee\_id |  | BTREE | ✗ | purchases\_employee\_id\_idx | YES |  | 1 | 0 | purchases |
| 0 | A | product\_id |  | BTREE | ✗ | purchases\_product\_id\_idx |  |  | 1 | 0 | purchases |

Foreign keys

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Name | Match option | Position in unique constraint | Referenced table name | Referenced column name | Ordinal position | Update rule |
| purchases\_customer\_id |  | 1 | customers | customer\_id | 1 | NO ACTION |
| purchases\_employee\_id |  | 1 | employees | employee\_id | 1 | NO ACTION |
| purchases\_product\_id |  | 1 | products | product\_id | 1 | NO ACTION |

Depends on

|  |  |  |
| --- | --- | --- |
| Name | Type | Depth |
| [customers](#Link9) | Table | 1 |
| [employees](#Link10) | Table | 1 |
| [products](#Link11) | Table | 1 |

Script

CREATE TABLE `purchases` (

`purchase\_id` bigint NOT NULL,

`customer\_id` bigint NOT NULL,

`employee\_id` bigint DEFAULT NULL,

`product\_id` bigint NOT NULL,

`purchased\_online` tinyint NOT NULL,

`purchase\_date` datetime NOT NULL,

`amount\_paid` decimal(5,2) NOT NULL,

PRIMARY KEY (`purchase\_id`),

KEY `purchases\_customer\_id\_idx` (`customer\_id`),

KEY `purchases\_employee\_id\_idx` (`employee\_id`),

KEY `purchases\_product\_id\_idx` (`product\_id`),

CONSTRAINT `purchases\_customer\_id` FOREIGN KEY (`customer\_id`) REFERENCES `customers` (`customer\_id`),

CONSTRAINT `purchases\_employee\_id` FOREIGN KEY (`employee\_id`) REFERENCES `employees` (`employee\_id`),

CONSTRAINT `purchases\_product\_id` FOREIGN KEY (`product\_id`) REFERENCES `products` (`product\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

See also

[List of tables](#Link6)

#### List of users

Users

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Alter privilege | Create privilege | Delete privilege | Grant privilege | Super privilege |
| [root](#Link13) | ✓ | ✓ | ✓ | ✓ | ✓ |

Total: 1 user(s)

See also

[Database overview](#Link8)

##### User: root

Properties

|  |  |
| --- | --- |
| Name | Value |
| Alter privileges | ✓ |
| Create privileges | ✓ |
| Delete privileges | ✓ |
| Execute privileges | ✓ |
| File privileges | ✓ |
| Grant privileges | ✓ |
| Insert privileges | ✓ |
| Process privileges | ✓ |
| Reload privileges | ✓ |
| Select privileges | ✓ |

Script

CREATE USER IF NOT EXISTS 'root'@'localhost' IDENTIFIED WITH 'mysql\_native\_password' AS '$A$005$yE8rEXY5P&0(#!rwWbkaypkewkJVGKXj.qzVy24krMcpkC/93R8ztdIPNB' ;

See also

[List of users](#Link7)

# About this documentation

Database documentation details

|  |  |
| --- | --- |
| Name | Value |
| Author | Jp Joubert |
| Created | 12/01/2020 |
| Comments |  |
| Link |  |

See also

[Servers](#Link1)