

1. Table Creation

phpMyAdmin

Database
eglushchenko (10)

eglushchenko (10)

- agent
- baseball
- book
- citytable
- com
- editor
- newcom
- pro
- product
- writer

studentwebmysql.ewu.edu ▶ eglushchenko ▶ agent

Browse Structure SQL Search Insert Export Import

Showing rows 0 - 2 (~3¹ total, Query took 0.0006 sec)

```
SELECT *  
FROM 'agent'  
LIMIT 0 , 30
```

Show : 30 row(s) starting from record # 0
in horizontal mode and repeat headers after 100 cells

Sort by key: None

+ Options

	AgentID	AgentName
<input type="checkbox"/>	001	John Smith
<input type="checkbox"/>	002	Mary Lane
<input type="checkbox"/>	003	Joe Doe

Check All / Uncheck All With selected: ☐ ☒ ☐

Show : 30 row(s) starting from record # 0
in horizontal mode and repeat headers after 100 cells

Query results operations
Print view Print view (with full texts) Export CREATE VIEW

phpMyAdmin

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Browse Structure SQL Search Insert Export Import

Showing rows 0 - 2 (~3¹ total, Query took 0.0005 sec)

```
SELECT *  
FROM 'writer'  
LIMIT 0 , 30
```

Show : 30 row(s) starting from record # 0
in horizontal mode and repeat headers after 100 cells

Sort by key: None

+ Options

	WriterID	WriterName	AgentID
<input type="checkbox"/>	W01	Stephen Hawking	001
<input type="checkbox"/>	W02	Louis LAmoure	002
<input type="checkbox"/>	W03	Elon Musk	003

Check All / Uncheck All With selected: ☐ ☒ ☐

Show : 30 row(s) starting from record # 0
in horizontal mode and repeat headers after 100 cells

Query results operations
Print view Print view (with full texts) Export CREATE VIEW

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Assignment 4: SQL
4/20/2019
MISC 485-40

phpMyAdmin

Database
eglushchenko (10)

eglushchenko (10)

agent
baseball
book
citytable
com
editor
newcom
pro
product
writer

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Browse Structure SQL Search Insert Export Import

Showing rows 0 - 2 (~3¹ total, Query took 0.0042 sec)

```
SELECT *  
FROM "editor"  
LIMIT 0 , 30
```

Show : 30 row(s) starting from record # 0
in horizontal mode and repeat headers after 100 cells

Sort by key: None

+ Options

			EditorID	EditorName	Mentors_EditorID
<input type="checkbox"/>			E01	Billy Joel	NULL
<input type="checkbox"/>			E02	Johnny Hill	E01
<input type="checkbox"/>			E03	Rob Wilson	NULL

Check All / Uncheck All With selected:

Show : 30 row(s) starting from record # 0
in horizontal mode and repeat headers after 100 cells

Query results operations

Print view Print view (with full texts) Export CREATE VIEW

phpMyAdmin

Database
eglushchenko (10)

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agent
baseball
book
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editor
newcom
pro
product
writer

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Browse Structure SQL Search Insert Export Import Operations Emp

Showing rows 0 - 2 (~3¹ total, Query took 0.0005 sec)

```
SELECT *  
FROM "book"  
LIMIT 0 , 30
```

Show : 30 row(s) starting from record # 0
in horizontal mode and repeat headers after 100 cells

Sort by key: None

+ Options

			BookName	DateOfPublication	NumOfPages	Genre	WriterID	EditorID
<input type="checkbox"/>			Bear Lake	2001-08-28	162	History	W01	E01
<input type="checkbox"/>			The Old West	2006-05-16	651	Western	W02	E02
<input type="checkbox"/>			To The Moon And Back	2019-02-06	564	Sci-Fi	W03	E03

Check All / Uncheck All With selected:

Show : 30 row(s) starting from record # 0
in horizontal mode and repeat headers after 100 cells

Query results operations

Print view Print view (with full texts) Export CREATE VIEW

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Inserting Sample Data

The screenshot shows the phpMyAdmin interface for the database 'eglushchenko (10)'. The 'agent' table is selected. The SQL tab is active, displaying three successful INSERT statements for the 'agent' table. The messages indicate that 1 row(s) was affected for each insertion.

```
INSERT INTO Agent ( AgentID, AgentName )
VALUES (
'001', 'John Smith'
); # 1 row(s) affected.
INSERT INTO Agent ( AgentID, AgentName )
VALUES (
'002', 'Mary Lane'
); # 1 row(s) affected.
INSERT INTO Agent ( AgentID, AgentName )
VALUES (
'003', 'Joe Doe'
);
```

Run SQL query/queries on database eglushchenko: [?] [X]

```
INSERT INTO Agent (AgentID, AgentName) VALUES ('001', 'John Smith');# 1 row(s) affected.
INSERT INTO Agent (AgentID, AgentName) VALUES ('002', 'Mary Lane');# 1 row(s) affected.
INSERT INTO Agent (AgentID, AgentName) VALUES ('003', 'Joe Doe');# 1 row(s) affected.
```

[Delimiter :] ☒ Show this query here again

The screenshot shows the phpMyAdmin interface for the database 'eglushchenko (10)'. The 'writer' table is selected. The SQL tab is active, displaying three successful INSERT statements for the 'writer' table. The messages indicate that 1 row(s) was affected for each insertion.

```
INSERT INTO Writer( WriterID, WriterName, AgentID )
VALUES (
'w01', 'Stephen Hawking', '001'
); # 1 row(s) affected.
INSERT INTO Writer( WriterID, WriterName, AgentID )
VALUES (
'w02', 'Louis LAmoure', '002'
); # 1 row(s) affected.
INSERT INTO Writer( WriterID, WriterName, AgentID )
VALUES (
'w03', 'Elon Musk', '003'
);
```

Run SQL query/queries on database eglushchenko: [?] [X]

```
INSERT INTO Writer(WriterID, WriterName, AgentID) VALUES ('w01', 'Stephen Hawking', '001');# 1 row(s) affected.
INSERT INTO Writer(WriterID, WriterName, AgentID) VALUES ('w02', 'Louis LAmoure', '002');# 1 row(s) affected.
INSERT INTO Writer(WriterID, WriterName, AgentID) VALUES ('w03', 'Elon Musk', '003');# 1 row(s) affected.
```

[Delimiter :] ☒ Show this query here again

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phpMyAdmin

Database: eglushchenko (10)

eglushchenko (10)

agent

baseball

book

citytable

com

editor

newcom

pro

product

writer

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Browse Structure SQL Search Insert Export Import Operations Empty

✓ Your SQL query has been executed successfully

```
INSERT INTO Editor (EditorID, EditorName, Mentors_EditorID) VALUES ('E01', 'Billy Joel', NULL);# 1 row(s) affected.
VALUES ('E01', 'Billy Joel', NULL)
INSERT INTO Editor (EditorID, EditorName, Mentors_EditorID) VALUES ('E02', 'Johnny Hill', 'E01');# 1 row(s) affected.
VALUES ('E02', 'Johnny Hill', 'E01')
INSERT INTO Editor (EditorID, EditorName, Mentors_EditorID) VALUES ('E03', 'Rob Wilson', NULL);# 1 row(s) affected.
VALUES ('E03', 'Rob Wilson', NULL)
```

Run SQL query/queries on database eglushchenko: ⓘ

```
INSERT INTO Editor (EditorID, EditorName, Mentors_EditorID) VALUES ('E01', 'Billy Joel', NULL);# 1 row(s) affected.
INSERT INTO Editor (EditorID, EditorName, Mentors_EditorID) VALUES ('E02', 'Johnny Hill', 'E01');# 1 row(s) affected.
INSERT INTO Editor (EditorID, EditorName, Mentors_EditorID) VALUES ('E03', 'Rob Wilson', NULL);# 1 row(s) affected.
```

[Delimiter :] ☒ Show this query here again

phpMyAdmin

Database: eglushchenko (10)

eglushchenko (10)

agent

baseball

book

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com

editor

newcom

pro

product

writer

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Browse Structure SQL Search Insert Export Import Operations Empty Drop

✓ Your SQL query has been executed successfully

```
INSERT INTO Book (BookName, DateOfPublication, NumOfPages, Genre, WriterID, EditorID) VALUES ('Bear Lake', '1997-08-28', 162, 'History', 'W01', 'E01');# 1 row(s) affected.
VALUES ('Bear Lake', '1997-08-28', 162, 'History', 'W01', 'E01')
INSERT INTO Book (BookName, DateOfPublication, NumOfPages, Genre, WriterID, EditorID) VALUES ('The Old West', '2006-05-16', 651, 'Western', 'W02', 'E02');# 1 row(s) affected.
VALUES ('The Old West', '2006-05-16', 651, 'Western', 'W02', 'E02')
INSERT INTO Book (BookName, DateOfPublication, NumOfPages, Genre, WriterID, EditorID) VALUES ('To The Moon And Back', '2019-02-06', 564, 'Sci-Fi', 'W03', 'E03');# 1 row(s) affected.
VALUES ('To The Moon And Back', '2019-02-06', 564, 'Sci-Fi', 'W03', 'E03')
```

Run SQL query/queries on database eglushchenko: ⓘ

```
INSERT INTO Book (BookName, DateOfPublication, NumOfPages, Genre, WriterID, EditorID) VALUES ('Bear Lake', '1997-08-28', 162, 'History', 'W01', 'E01');# 1 row(s) affected.
INSERT INTO Book (BookName, DateOfPublication, NumOfPages, Genre, WriterID, EditorID) VALUES ('The Old West', '2006-05-16', 651, 'Western', 'W02', 'E02');# 1 row(s) affected.
INSERT INTO Book (BookName, DateOfPublication, NumOfPages, Genre, WriterID, EditorID) VALUES ('To The Moon And Back', '2019-02-06', 564, 'Sci-Fi', 'W03', 'E03');# 1 row(s) affected.
```

2. a)

phpMyAdmin

Database: eglushchenko (10)

eglushchenko (10)

agent

baseball

book

citytable

com

editor

newcom

pro

product

writer

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Browse Structure SQL Search Insert Export Import

✓ Showing rows 0 - 2 (3 total, Query took 0.0012 sec)

```
SELECT BookName, DateOfPublication
FROM Book
LIMIT 0, 30
```

Show: 30 row(s) starting from record # 0

in horizontal mode and repeat headers after 100 cells

Sort by key: None

+ Options

	BookName	DateOfPublication
<input type="checkbox"/>	Bear Lake	1997-08-28
<input type="checkbox"/>	The Old West	2006-05-16
<input type="checkbox"/>	To The Moon And Back	2019-02-06

Check All / Uncheck All With selected: ☒ ☐

Show: 30 row(s) starting from record # 0

in horizontal mode and repeat headers after 100 cells

Query results operations

Print view Print view (with full texts) Export CREATE VIEW

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b)

The screenshot shows the phpMyAdmin interface for the 'eglushchenko' database. The left sidebar lists tables: agent, baseball, book, citytable, com, editor, newcom, pro, product, and writer. The main panel displays a SQL query: `SELECT BookName FROM Book WHERE WriterID = (SELECT WriterID FROM Writer WHERE WriterName = 'Stephen Hawking') LIMIT 0, 30`. The results show 0 rows. Below the query, there are options to view the results in a table (horizontal) or as a tree, and a 'Query results operations' section with links for 'Print view', 'Print view (with full texts)', 'Export', and 'CREATE VIEW'.

c)

The screenshot shows a web browser window with the URL `https://studentweb.ewu.edu/phpmyadmin/index.php?db=eglushchenko&token=924b96ab936fe5`. The phpMyAdmin interface is visible, showing the same database and table list. The SQL query is more complex: `SELECT BookName FROM Book WHERE DateOfPublication >= '2000-01-01' AND WriterID = (SELECT WriterID FROM Writer WHERE WriterName = 'Stephen Hawking') LIMIT 0, 30`. The results show 0 rows. The 'Query results operations' section is also present.

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d)

The screenshot shows the phpMyAdmin interface for the 'eglushchenko' database. The 'Writer' table is selected. The SQL query executed is: `SELECT Writer.WriterID, WriterName, COUNT(BookName) FROM Writer, Book WHERE Writer.WriterID = Book.WriterID GROUP BY Writer.WriterID LIMIT 0, 30`. The result shows 3 rows: W01 (Stephen Hawking), W02 (Louis L'Amour), and W03 (Elon Musk), each with a count of 1. The interface includes navigation tabs (Browse, Structure, SQL, Search, Insert, Export, Import) and a sidebar with database and table lists.

WriterID	WriterName	COUNT(BookName)
W01	Stephen Hawking	1
W02	Louis L'Amour	1
W03	Elon Musk	1

e)

The screenshot shows the phpMyAdmin interface for the 'eglushchenko' database. The 'Book' table is selected. The SQL query executed is: `SELECT BookName FROM Book WHERE NumOfPages < (SELECT AVG(NumOfPages) FROM Book)`. The result shows 1 row: 'Bear Lake'. The interface includes navigation tabs (Browse, Structure, SQL, Search, Insert, Export, Import) and a sidebar with database and table lists.

BookName
Bear Lake