

IWP LAB 8**QUESTION 1**

Create an Database using MySQL to place order for books. The Table Bookform should contain the book name, author, edition, price and quantity of purchase. Insert atleast five record.

**Entering values into “Table : Bookform” in “Database : dhruv”**

The screenshot shows the phpMyAdmin interface for the 'dhruv' database. The 'bookform' table is selected, and its structure is displayed. The table has five columns: Book\_name (varchar(25)), Author (varchar(20)), Edition (int(11)), Price (int(11)), and Quantity (int(11)). The 'Null' column is set to 'No' for all fields. The 'Value' column shows the default values: 'War and Turpentine' for Book\_name, 'Stefan Hertmans' for Author, '3' for Edition, '1724' for Price, and '1190' for Quantity. Below the structure, there is a 'Go' button and an 'Ignore' checkbox. The 'Insert as new row' dropdown is set to 'Insert as new row', and the 'Go back to previous page' dropdown is set to 'Go back to previous page'. The 'Go' and 'Reset' buttons are at the bottom.

Column	Type	Function	Null	Value
Book_name	varchar(25)		No	War and Turpentine
Author	varchar(20)		No	Stefan Hertmans
Edition	int(11)		No	3
Price	int(11)		No	1724
Quantity	int(11)		No	1190

**Screenshot of the SQL queries created in GUI**

The screenshot shows the phpMyAdmin SQL query editor. The query is an INSERT statement for the 'bookform' table in the 'dhruv' database. The query is as follows:

```
INSERT INTO `dhruv`.`bookform` (
  `Book_name`,
  `Author`,
  `Edition`,
  `Price`,
  `Quantity`
) VALUES (
  'War and Turpentine', 'Stefan Hertmans', '3', '1724', '1190',
  'Dark Monkey', 'Jane Mayer', '2', '1919', '1060'
);
```

The query is executed, and the result shows '2 rows inserted.' The 'Run SQL query/queries on database dhruv:' button is visible. The 'Columns' list on the right shows the columns: Book\_name, Author, Edition, Price, and Quantity. The 'Bookmark this SQL query:' field is empty. The 'Delimiter' is set to ';', and the 'Show this query here again' checkbox is checked.

## SELECT \* option to display all the records in the Table : Bookform

Assignment | localhost / 127.0.0.1 / dl | +

localhost/phpmyadmin

127.0.0.1 » dhruv » bookform

Browse Structure SQL Search Insert Export Import Operations Tracking Triggers

Run SQL query/queries on database dhruv:

```
1 SELECT * FROM `bookform` WHERE 1
```

Columns  
Book\_name  
Author  
Edition  
Price  
Quantity

SELECT \* | SELECT | INSERT | UPDATE | DELETE | Clear

Bookmark this SQL query:

[ Delimiter : ] ☒ Show this query here again ☐ Retain query box Go

Activate Windows  
Go to Settings to activate Windows.

Search the web and Windows

4:27 AM  
9/8/2017

## Screenshot of all the records in the Table : Bookform

Assignment | localhost / 127.0.0.1 / dl | +

localhost/phpmyadmin

127.0.0.1 » dhruv » bookform

Browse Structure SQL Search Insert Export Import Operations Tracking Triggers

Show query box

Showing rows 0 - 5 ( 6 total, Query took 0.0004 sec)

```
SELECT *
FROM `bookform`
WHERE 1
LIMIT 0, 30
```

☐ Profiling [Inline] [Edit] [Explain SQL] [Create PHP Code] [Refresh]

Show: Start row: 0 Number of rows: 30 Headers every 100 rows

+ Options

	Book_name	Author	Edition	Price	Quantity
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	The Underground Railroad	Colson Whitehead	5	1727	1816
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	The Vegetarian	Han Kang	6	1343	1320
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	War and Turpentine	Stefan Hertmans	3	1724	1190
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Dark Monkey	Jane Mayer	2	1919	1060
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	The North Water	Ian McGuire	4	1599	1211
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	The Intuitionist	Hisham Matar	2	1724	1103

Check All / Uncheck All With selected: ☐ Change ☐ Delete ☐ Export

Show: Start row: 0 Number of rows: 30 Headers every 100 rows

Query results operations

☐ Print view ☐ Print view (with full texts) ☐ Export ☐ Display chart ☐ Create view

☐ Bookmark this SQL query

Activate Windows  
Go to Settings to activate Windows.

Search the web and Windows

4:27 AM  
9/8/2017

## QUESTION 2

Design a Loan Eligible Calculator (HTML form) to read the following information's of a particular employee:

Name as textbox, Salary per month as textbox, Loan Amount Required as textbox, No. of years of Repayment as textbox, Repayment Mode as option button(cash or EMI).

Formula to calculate EMI =  $(P * R/12) * [(1+R/12)^N] / [(1+R/12)^N - 1]$ , where P = Principal (loan amount); R = Annual Interest Rate is 12%; N = No. of Monthly Instalments

Submit as button which on click must append the form data to the file.

### Form entry 1

Loan - Bank Form

localhost/Q2.html

**DHRUV GARG 16BCE1190**

Applicant Name

Salary

Loan required

Number of years

Choose repayment method

Cash ☐

EMI ☒

localhost/second.php

localhost/second.php

**Bank loan processing**

17:56, 8th September

Annual salary greater than 1.5 LPA : YES

Maximum loan that can be availed is : 540000

Conratulations! You are eligible for the loan!

**Loan approval details are :**

Applicant Name : Dhruv Garg

Monthly salary : 75000

Annual salary : 900000

Loan amount : 25000

Years : 4

Chosen mode of repayment : EMI

Annual rate of interest : 0.12

Number of months : 48

Monthly EMI payment : 658.35

## Form entry 2

Loan - Bank Form

localhost/Q2.html

**DHRUV GARG 16BCE1190**

Applicant Name

Salary

Loan required

Number of years

Choose repayment method

Cash ☒

EMI ☐

localhost/second.php

localhost/second.php

**Bank loan processing**

17:57, 8th September

Annual salary greater than 1.5 LPA : YES

Maximum loan that can be availed is : 864000

Conratulations! You are eligible for the loan!

**Loan approval details are :**

Applicant Name : Arush Sharma

Monthly salary : 120000

Annual salary : 1440000

Loan amount : 400000

Years : 3

Chosen mode of repayment : CASH

Please make the entire payment in cash after stated repayment time.

## Text file after 2 entries

data.txt - Notepad

File Edit Format View Help

```
Phruv Garg - 75000 - 900000 - 25000 - EMI - 658.35
Arush Sharma - 120000 - 1440000 - 400000 - Cash - Payement in full
```

## Form entry 3

Loan - Bank Form

localhost/Q2.html

**DHRUV GARG 16BCE1190**

**Applicant Name**

**Salary**

**Loan required**

**Number of years**

**Choose repayment method**

**Cash** ☐

**EMI** ☒

[Apply loan!](#)

localhost/second.php

localhost/second.php

### Bank loan processing

18:01, 8th September

Annual salary greater than 1.5 LPA : YES

Maximum loan that can be availed is : 1584000

Conratulations! You are eligible for the loan!

**Loan approval details are :**

Applicant Name : Aakash Tiwari

Monthly salary : 220000

Annual salary : 2640000

Loan amount : 700000

Years : 5

Chosen mode of repayment : EMI

Annual rate of interest : 0.12

Number of months : 60

Monthly EMI payment : 15,571.11

## Form entry 4

Loan - Bank Form

localhost/Q2.html

Search

DHRUV GARG 16BCE1190

Applicant Name

Salary

Loan required

Number of years

Choose repayment method

Cash ☒

EMI ☐

localhost/second.php

localhost/second.php

Search

### Bank loan processing

18:03, 8th September

Annual salary greater than 1.5 LPA : YES

Maximum loan that can be availed is : 972000

Loan requested : 1200000

Sorry! You are not eligible for the loan.

## Form entry 5

Loan - Bank Form

localhost/Q2.html

Search

DHRUV GARG 16BCE1190

Applicant Name

Salary

Loan required

Number of years

Choose repayment method

Cash ☐

EMI ☒

localhost/second.php

localhost/second.php

Bank loan processing

18:05, 8th September

Annual salary greater than 1.5 LPA : YES

Maximum loan that can be availed is : 1080000

Conratulations! You are eligible for the loan!

Loan approval details are :

Applicant Name : Vishnu Nagpal

Monthly salary : 150000

Annual salary : 1800000

Loan amount : 780000

Years : 6

Chosen mode of repayment : EMI

Annual rate of interest : 0.12

Number of months : 72

Monthly EMI payment : 15,249.15

Text file after 5 entries

data.txt - Notepad

File Edit Format View Help

Dhruv Garg - 75000 - 900000 - 25000 - EMI - 658.35

Arush Sharma - 120000 - 1440000 - 400000 - Cash - Payement in full

Aakash Tiwari - 220000 - 2640000 - 700000 - EMI - 15,571.11

Aditya Chitlangia - 135000 - 1620000 - 1200000 - Cash - Not eligible

Vishnu Nagpal - 150000 - 1800000 - 780000 - EMI - 15,249.15