Cannot tell you what lesson about - it would spoil surprise!

Give them aliens website - version 1.

Get them to say what it does and how it works.

1 What is purpose of this web page.

2. To which file is the form information sent - where did you find this information?

3. Which method is being used to send the information and which other method is most often used?

4. What links the information in the firstname field on the form with the name variable in report.php?

5. There are a pair of radio buttons on the form. What data is sent when you select the yes option?

6. What do you think is the best solution for storing the data that will be received?

Databases - what are they?

DBMS?

Database Server?

Relational Database?

What are tables, records?

How much do we need to know?

We are going to look at MySQL.

Start it.

Need to start XAMPP as we may need both a web and a database server!

Start a command window (start cmd)

Navigate to MySQL folder.

Start MySQL interface.

Microsoft Windows XP [Version 5.1.2600]

(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\Admin>**cd ..**

C:\Documents and Settings>**cd ..**

C:\>**cd xampp**

C:\xampp>**cd mysql**

C:\xampp\mysql>**cd bin**

C:\xampp\mysql\bin>**mysql -u root**

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 1

Server version: 5.0.51b-community MySQL Community Edition (GPL)

Type 'help;' or '\h' for help. Type '\c' to clear the buffer.

**mysql> exit**

Bye

C:\xampp\mysql\bin>

We have also closed it!

Why is it a good idea to close it?

We are going to look at an example (comes with XAMPP), a cd collection database.

Start MySQL again.

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 24

Server version: 5.0.51b-community MySQL Community Edition (GPL)

Type 'help;' or '\h' for help. Type '\c' to clear the buffer.

mysql> **use cdcol;**

Database changed

mysql> **show tables;**

+-----------------+

| Tables\_in\_cdcol |

+-----------------+

| cds |

+-----------------+

1 row in set (0.00 sec)

mysql> **describe cds;**

+-----------+---------------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+-----------+---------------------+------+-----+---------+----------------+

| titel | varchar(200) | YES | | NULL | |

| interpret | varchar(200) | YES | | NULL | |

| jahr | int(11) | YES | | NULL | |

| id | bigint(20) unsigned | NO | PRI | NULL | auto\_increment |

+-----------+---------------------+------+-----+---------+----------------+

4 rows in set (0.08 sec)

mysql>

What do you think records in this table will look like? What do you think the column headings in this table mean?

type

**select \* from cds;**

to check.

Now we are going to do an example from scratch - to create and populate a database.

CREATE DATABASE 'testing';

change to this database!

CREATE TABLE `example` (

`name` VARCHAR(30),

`student\_id` VARCHAR(10),

`course\_name` VARCHAR(30)

);

adding data

INSERT INTO `example` (name, student\_id ,course\_name)

VALUES ('Alf Smith', 'A0001', 'BTEC National Commercial Web Development');

Add two more examples of your own.

Display the records.

What if I only wanted the names and student\_id?

[Explore different ways of inserting data (look up mysql help)]

[create a new table, in the same database, with fields for the name of a students and their age – insert two rows of data and display the records].

Conclusion and discussion.

Are databases important?

Who uses databases?

In what parts of this unit might we find using a database helpful?

What have we learned so far?

What is the first step required to use the DBMS?

How do you connect to the DBMS?

What do you have to do next?

How do you ask for all the data in a table?

How do you insert data into a table?