**On-going Assessment Number 2   
Event: Hands-on Exam**

**Assessment Instructions:**

* This assessment is to be performed **in class.**
* Do not copy from or communicate with other students in any way. Failure to comply could result in a **FAIL** grade to be entered against your test result.
* Connect to the server and your database.
* Then create the appropriate tables.
* Insert the record as shown on the illustration below.
* Perform the queries listed below.
* Save the file with the name: **StudentID\_CIV03\_ASS2.php**
* Write your user account and password in a notepad with filename: **yourname\_configuration.txt**
* Zip the php file and the notepad file with the **name StudentID\_CIV03\_ASS2.zip** and send to SIS.

**This following Assessment is designed to assess your competency in the following competency units:**

**ICAWEB425A**: Apply structured query language to extract and manipulate data

* Identify SQL requirements from the specification documentation
* Create a relational database
* Test SQL results

**ICADBS403A:** Create basic databases

* Analyse requirements for the database
* Use data modelling to design the database to suit requirements
* Create a database on a web or database server
* Test database and debug

**Products table (50 pts.)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PRODUCT ID** | **PROD\_NAME** | **TYPE** | **PRICE** | **SUPPLIER ID** |
| 1001 | Macbook pro | Technology | 1200.00 | 2001 |
| 1002 | Ipad | Technology | 800.00 | 2001 |
| 1003 | Sneakers | Shoes | 120.25 | 2002 |
| 1004 | Hoodie | Garment | 49.50 | 2002 |
| 1005 | Polo shirt | Garment | 40.25 | 2002 |
| 1006 | Jeans | Garment | 60.00 | 2003 |
| 1007 | Samsung Galaxy SII | Technology | 875.50 | 2004 |
| 1008 | Samsung Galaxy SIII | Technology | 1050.00 | 2004 |

**Suppliers Table (50pts)**

|  |  |  |  |
| --- | --- | --- | --- |
| **SUPPLIER ID** | **SUPPLIER** | **ADDRESS** | **CONTACT PERSON** |
| 2001 | Apple | 31 George St., NSW | Steve |
| 2002 | Nike | 18 King St., NSW | Michael |
| 2003 | Ralf Lauren | 72 Elizabeth Ave, Victoria | Ralf |
| 2004 | Samsung | 22 Henry Parry Drive, Melbourne | Sarrah |

**QUERIES:**

1. Display the list of technologies sold in the company. Show the entire fields in the record in a tabular data. (5pts.)

**OUTPUT LIKE:  
1. Technologies Sold in the company**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PRODUCT ID** | **PROD\_NAME** | **TYPE** | **PRICE** | **SUPPLIER ID** |
| Product id 1 | Product name | Technology | price | Supplier id |
| Product id 1 | Product name | Technology | price | Supplier id |
| Etc.. |  |  |  |  |

1. Display the products supplied by Nike. Show the entire fields in the record in a tabular data. (5pts.)

**OUTPUT LIKE:  
2. Products Supplied by Nike**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PRODUCT ID** | **PROD\_NAME** | **TYPE** | **PRICE** | **SUPPLIER ID** |
| Product id 1 | Product name | type | price | Supplier id |
| Product id 1 | Product name | type | price | Supplier id |
| Etc.. |  |  |  |  |

1. Display the record of the suppliers from NSW. (5pts.)

**OUTPUT LIKE:  
3. Suppliers from NSW**

|  |  |  |  |
| --- | --- | --- | --- |
| **SUPPLIER ID** | **SUPLIER** | **ADDRESS** | **CONTACT PERSON** |
| Supplier\_id1 | Supplier1 | \*\*\*\*\* NSW | Contact1 |
| Supplier\_id1 | Supplier2 | \*\*\*\*\* NSW | Contact1 |
| Etc. |  |  |  |

4. Display the record in the products table sorting the order of the prices from the most expensive to the cheapest. (5pts.)

**OUTPUT LIKE:  
4. Product List (Most Expensive to Cheapest)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PRODUCT ID** | **PROD\_NAME** | **TYPE** | **PRICE** | **SUPPLIER ID** |
| Product id 1 | Product name | type | Most Expensive Price | Supplier id |
| Etc.. |  |  |  |  |
| Product id 1 | Product name | type | Cheapest Price | Supplier id |

5. Update the price of Ipad from AUD$ 800 to AUD$750. (5pts.)

**OUTPUT LIKE:  
5. Discounted Ipad Price from AUD$800 to $750**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PRODUCT ID** | **PROD\_NAME** | **TYPE** | **PRICE** | **SUPPLIER ID** |
| Product id 1 | Ipad | type | Updated Price | Supplier id |

6. Display a list of products that costs at least AUD$ 800. (5pts.)

**OUTPUT LIKE:  
6. Products that Costs AUD$800 and up**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PRODUCT ID** | **PROD\_NAME** | **TYPE** | **PRICE** | **SUPPLIER ID** |
| Product id 1 | Product name | type | 800 or up | Supplier id |
| Product id 1 | Product name | type | 800 or up | Supplier id |
| Etc. |  |  |  |  |

7. Add a new field – (email )on the Supplier Table. (5pts.)

**OUTPUT LIKE:  
7. Added Email Field on Suppliers Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SUPPLIER ID** | **SUPPLIER** | **ADDRESS** | **CONTACT PERSON** | **EMAIL** |
| Supplier\_id1 | Supplier1 | address | Contact1 |  |
| Supplier\_id1 | Supplier2 | address | Contact1 |  |
| Etc. |  |  |  |  |

8. Modify the email address of the following Suppliers. (5pts.)

**OUTPUT LIKE:  
8. Supplier’s Email Addresses**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SUPPLIER ID** | **SUPPLIER** | **ADDRESS** | **CONTACT PERSON** | **EMAIL** |
| Supplier\_id1 | Supplier1 | address | Contact1 | steve.jobs@gmail.com |
| Supplier\_id1 | Supplier2 | address | Contact2 | michael.j@yahoo.com.au |
| Supplier\_id1 | Supplier3 | address | Contact3 | ralf\_lauren@yahoo.com |
| Supplier\_id1 | Supplier4 | address | Contact4 | sarrah16@yahoo.com |

9. Display the record of the supplier whose email address is from yahoo. (5pts.)

**OUTPUT LIKE:  
9. Suppliers Using Yahoo account**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SUPPLIER ID** | **SUPPLIER** | **ADDRESS** | **CONTACT PERSON** | **EMAIL** |
| Supplier\_id1 | Supplier1 | address | Contact1 | @yahoo.com |
| Supplier\_id1 | Supplier2 | address | Contact1 | @yahoo.com.au |
| Etc. |  |  |  |  |

10. Delete the record of the most expensive item from Nike. (5pts.)

**OUTPUT LIKE:  
10. Removing the product - shoes from the record.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PRODUCT ID** | **PROD\_NAME** | **TYPE** | **PRICE** | **SUPPLIER ID** |
| Product id 1 | Product name | type | price | supplier id |
| Etc.. | Deleted shoes from the record | - | - | - |

11. Display the TYPE and the PRICE or cheapest item displayed by TYPE. (5pts.)

**OUTPUT LIKE:**

**11. The Cheapest Item by Product Type**

product type1 – cheapest price   
product type2 – cheaper price

product type3 – cheap price   
etc.

12. Count how many products are sold per Product Type. (5pts.)

**OUTPUT LIKE:**

**12. Number of Products Sold by Product Type**

There are (no. of products sold) (product type1) sold in the company.

There are (no. of products sold) (product type2) sold in the company.

There are (no. of products sold) (product type3) sold in the company.

Etc.

13. Count how many products every Product Supplier sells. (5pts.)  
 **OUTPUT LIKE:**  
**13. Number of Products Sold by every Product Supplier**

There are(no. of products sold) by (supplier1).

There are(no. of products sold) by (supplier2).

Etc.

14. Get the AVERAGE price of all the garments sold in the company. (5pts.)

**OUTPUT LIKE:**

**14. Average price of all garments sold**

The average price of all the garments sold is average.

15. Get the SUM of the prices for the products sold by Apple. (5pts.)

**OUTPUT LIKE:**

**15. SUM of the Prices for all Products Sold by Apple**

The sum of the prices for all the products sold by Apple is SUM.

16. Display the Product Name, Price, Supplier, and Contact Person for all the products in the record. (5pts.)

**OUTPUT LIKE:**

**16. Products, Price and Corresponding Suppliers and Contact Person**

|  |  |  |  |
| --- | --- | --- | --- |
| **PRODUCTS** | **PRICE** | **SUPPLIERS** | **CONTACT PERSON** |
| Product name1 | Price 1 | Supplier 1 | Contact person 1 |
| Etc.. | - | - | - |

17. Display the most expensive product sold by every Supplier. (5pts.)

**OUTPUT LIKE:**

**17. Most Expensive Products Sold by Every Supplier**

Supplier1 – most expensive product –price

Supplier2 – most expensive product –price

Supplier3 – most expensive product –price

Etc.

18. Display the cheapest technology in the record. (5pts.)

**OUTPUT LIKE:**

**18. Cheapest Technology in the Record**

The cheapest technology in the record is product name. It only cost price.

19. How many Suppliers are there in the company? (5pts.)

**OUTPUT LIKE:**

**19. Number of Suppliers in the Company**

There are no. of suppliers in the company.

20. Display the SUM of all the Products sold by every Supplier. (5pts.)

**OUTPUT LIKE:**

**20. Sum of all Products by Supplier**

Supplier 1 – sum of all products sold

Supplier 2 – sum of all products sold

Supplier 3 – sum of all products sold

**Submission Method:  
Submit the assessments in class during the assessment time period.**

* Submit the answer sheet to teacher in the class with the cover sheet. Make sure you keep the student receipt.

**Marking Criteria:**The total course grade for this assessment:

Connection to Server, Database, Table Creation, Inserting of Data & Displaying of Table: **50 x 2 = 100 marks**  
Queries : **20 x 5** = **100 marks  
 200 marks**

# Submission Date:

All assessment tasks are to be submitted by end of Block F, 9th of August 2013.

Students must submit a medical certificate to avoid a penalty for late submission.

**Late submission will incur the following penalty:**

1 day late, 5% off final grade, 2 days late 10% off final grade, 3 days late 15% off final grade, 4 days late 20% off final grade, 5 days late 25% off final grade. *Assessments will not be accepted if more than 5 days late unless evidence of a medical certificate is submitted*.

Assessment Appeal Form

An Assessment Appeal Form may be completed for those students wishing to appeal a result. This is available to download and print via the SIS page, or you may collect this from the Level 5 Administration office. Completed Assessment Appeal Forms are to be provided to the Student Services Office, Level 5.