Quiz 1 - Written

**1. SQL**

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| **Person**   |  |  | | --- | --- | | **Name** | **City** | | Adam | Kuala Lumpur | | John | Singapore | | Henry | Singapore | | Dominic | Bangkok | | **Log**   |  |  |  | | --- | --- | --- | | **Name** | **City** | **ModifiedDate** | | Adam | Singapore | 2015-01-01 | |

**1.1 Query**

Write a query using **sub-query** and **aggregation** to get the list of person which city appeared more than once.

Answer:

**1.2 CRUD – output (atomic query)**

Write a single query that update the **Person** table and simultaneously insert into **Log** table for the deleted information with the modified date.

Answer:

**2. JavaScript**

**2.1 Simple JS & Logic question**

Write 2 ways to get multiplication by 8 for the variable **x** without using multiplication operator.

var x = 2;

console.log(y1); // output : 16

console.log(y2); // output : 16

Answer:

**2.2 Prototype in JS**

Create native methods for string data type to repeat *N* times.

console.log(‘hello’.repeat(3)); //output: hellohellohello

Answer:

**3. C#**

**3.1 Simple OOP and syntax**

Create a class for employee who has **name** and **salary** properties with **setter** and **getter** methods.

Answer:

**3.2** **Pointer reference in C#**

What is the output from b.Name?

Student a;

Student b = new Student();

a = b;

a.Name = “Michael”;

Response.Write(b.Name);

Answer: