**Lab - DynamoDB**

**DynamoDB**

In this hands-on exercise, you will create a NoSQL database in the cloud.

**Prerequisites:**

* AWS Account

**Topics Covered:**

By the end of this lab, you will be able to:

* Create a table
* Add data to a table
* Query data in a table

**Steps:**

1. **Access the DynamoDB service from AWS Management Console**
   * On the AWS Management Console page, type "dynamo" in the Find Services box and then select DynamoDB.
   * On the DynamoDB Console, click Create table.
   * Enter Course as the Table name.
   * Enter Name in for the Partition key and ensure String is selected. ***Note:*** The partition key spreads data against partitions for scalability.
   * Keep the remainder of the defaults, and click the “Create” button.
2. **Add Data to the Table**
   * Once the table is created, click on the Items tab.
   * Click Create item.
     + In the data entry window, type the following:
       - For name, enter, Course 1 and click Save
       - Click the +icon to add additional fields:
         * Select Insert
         * Select String
         * For the field name, enter Teacher
         * For the value, enter Kesha Williams
         * Click Save
   * Follow the same process to add 5 more documents.
3. **Query Data in a Table**
   * In the dropdown that contains Scan, change it to Query.
   * Where it says Enter value, in the row next to the name Partition key, enter Course 1 and click Start Search.
   * You should see your search results appear in the window.
4. **Cleanup and delete resources**
   * To clean up the resources to avoid recurring charges, ensure the table name is selected.
   * Click on the Delete table button.
   * Ensure Delete all CloudWatch alarms for this table is selected and click Delete.