**ISS4014 – Database Systems and Web Integration**

**Chapter 15 – Activities and Homework**

**Response Document**

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**Chapter 15 Review Questions (10 points - 2 points each)**

1. What is ODBC, DAO and RDO? How are they related?

Open Database Connectivity is Microsoft’s database connectivity interface. Data Access Objects is an object-oriented API utilized to access desktop databases. Remote Data Objects is a high-level, object-oriented API used to access remote database servers. ODBC, DAO, and RDO are implemented as shared code that is dynamically linked to the Windows operating environment through dynamic-link libraries.

1. What is the difference between DAO and RDO?

While being similar, DAO is mostly used for desktop applications and RDO is used for accessing data on networks or servers.

1. What are the three basic components of the ODBC architecture?

A high-level ODBC API, a driver manager that manages all database connections, and an ODBC driver that directly communicates with the DBMS.

1. What is OLE-DB used for, and how does it differ from ODBC?

OLE\_DB is used to add object-oriented functionality for access to relational and non-relational data. It differs from ODBC because it provides support for nonrelational data.

1. How does ADO complement OLE-DB?

ADO provides a unified interface to access data from any programming language that uses the underlying OLE-DB objects.

**Problem 1 Image – Excel ODBC Data Query.**

**A screenshot of a computer

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**Problem 2 Image – VendorMySQL.php.**

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**Problem 3 Image – VendorAWS.php.**

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**Problem 3 Image – php source code segment.**

**A screenshot of a computer

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**Problem 3 – AWS database endpoint URL:**

lstrong.clo66w4iezhq.us-east-1.rds.amazonaws.com