

# ADO.NET

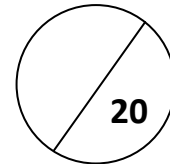
Assessment ID: SAAF – AS – I2 – 8

Iteration #: \_\_\_\_\_

Name: \_\_\_\_\_

EMP ID: \_\_\_\_\_

Date: \_\_\_\_\_

Note: *All Questions are of objective types*

1. Which of the following is not true about ADO.NET?
  - a. ADO.NET enables to create distributed data sharing applications
  - b. ADO.NET uses XML to transfer data across applications and data source
  - c. ADO.NET doesn't support disconnected architecture
  - d. The classes of ADO.NET are defined in the System.Data namespace
2. Which of the following is the object of .NET data provider?
  - a. Connection
  - b. Command
  - c. DataReader
  - d. All of the above
3. If you must use a username and password to connect to a database, where should you store the sensitive information
  - a. Compiled in an application
  - b. In an encrypted application configuration file
  - c. In a resource file deployed in an application
  - d. In the registry
4. `SqlCommand cmd = new SqlCommand();`  
`using (cmd) {...}`  
Question Referring to the above, what method is implicitly called at the end of the "using" statement?
  - a. Close
  - b. Cancel
  - c. Finalize
  - d. Dispose
  - e. Destructor
5. How do you create a new transaction?
  - a. Assign the transaction variable the return value of `con.BeginTransaction()`
  - b. Declare a new instance of a transaction class
  - c. Call `command.CreateTransaction`
  - d. Declare a new `command.Transaction` object

6. Whats the main purpose of the transaction
  - a. To validate that multiple commands execute successfully
  - b. To handle exceptions that may occur on database during command execution
  - c. To abort the execution of an executed command and return data to the state it was in prior to the transaction
  - d. To provide an option to abort the outcome of the executed commands and return data to the state it was in prior to the transaction
7. The kind of command used to work with read only data in ADO.Net is
  - a. SqlCommand / OleDbCommand
  - b. SqlDataAdapter / OleDbDataAdapter
  - c. None of the above
  - d. All of the above
8. The method used to execute a insert, update or delete statement on a database connection through a command object
  - a. ExecuteScalar
  - b. ExecuteNonQuery
  - c. ExecuteReader
  - d. ExecuteDML
9. The method used to filter the rows in a dataset is
  - a. Filter
  - b. Select
  - c. Find
  - d. Choose
10. What is a DataSet?
  - a. A pointer to remote database
  - b. A collection of DataTable and DataRelation objects
  - c. An in-memory cache of data
  - d. A collection of records from database
11. Dataset in ADO.NET – Which of the below mentioned is applicable?
  - a. Serializable
  - b. Uses XML
  - c. Maintains the history change
  - d. All of the above
12. Upon failure, the Open method of the connection object
  - a. Return false
  - b. Throws exception
  - c. Writes to the log file about the failure
  - d. None of the above
13. Can disconnected architecture of ADO.NET participate in transactions
  - a. True
  - b. False

14. DataAdapter object populates a DataSet and resolves updates with the data source?
  - a. True
  - b. False
15. How do you configure a DataAdapter to save changes to the database?
  - a. Instantiate a CommandBuilder object and pass it a DataAdapter configured with SelectCommand
  - b. Call the DataAdapter.Update method
  - c. Assign the valid command objects to InsertCommand, UpdateCommand and DeleteCommand properties of DataAdapter
  - d. Call DataAdapter.Fill method
16. Which of the following is not the method of DataAdapter?
  - a. Fill
  - b. FillSchema
  - c. ReadData
  - d. Update
17. When using stored procedures in ADO.NET, which of the following is set to CommandType property
  - a. CommandType.Procedure
  - b. CommandType.Routine
  - c. CommandType.StoredProcedure
  - d. CommandType.TableDirect
  - e. CommandType.Text
18. Which object of ado.net has the best performance for retrieving data?
  - a. DataSet
  - b. DataReader
  - c. DataProvider
  - d. DataAdapter
19. Which of the namespace is used for better performance when connecting to SQL Server in .NET?
  - a. System.Data
  - b. System.Data.SqlClient
  - c. System.Data.OleDb
  - d. System.Data.Odbc
20. When we need to retrieve only a single value from the database, which method is efficient?
  - a. ExecuteReader()
  - b. ExecuteScalar()
  - c. ExecuteNonQuery()
  - d. ExecuteXMLReader()