Q. What will be the output of the following LINQ query?

var query = (from employeeObj in employeeList
             orderby employeeObj.Salary descending
             select employeeObj).Skip(1).Take(1).FirstOrDefault();

1). Throws an error

2). Returns the first employee or null

3). Returns an employee with highest salary or null

4). Returns an employee with second highest salary or null

Q. When will the linq queries get executed?

1). When foreach loop is executed on range variable

2). When ToArray() method is called on range variable

3). When ToList() method is called on range variable

4). All the above

Q. Which of the following methods throws an exception if there are zero or more than one element in a collection?

1). First()

2). Single()

3). Both of the above

4). None of the above

Q. Which of the following entity framework approach should be used for Domain Driven Development?

1). Database first

2). Model first

3). Code first

4). None of the above

Q. All LINQ query options follow these steps. Identify the option which shows the order of Action:
Attempted

1. Obtain the Data Source

2. Create the query

3. Execute the query

Solution

1. Obtain the Data Source

2. Create the query

3. Execute the query

Q. Consider the following code and identify the statements which are true?

List<string> vegetables = new List<string> {"Tomatoes","Potatoes","Onions"};
string matchingVeggie = vegetables.Find(Name => Name.StartsWith("O"));
1). **Name is function argument and it could have been named as "V" or "Veg" or anything else**
2). **Name => Name.StartsWith("O")is Lambda expression**
3). Name => Name.StartsWith("O")is not Lambda expression
4). **The Find function runs the lambda expression against each list item until a match is found**

Q. Arrange the following LINQ keywords in the correct logical order:
Attempted

1. from

2. in

3. orderby

4. groupby

5. select

Solution

1. from

2. in

3. orderby

4. groupby

5. select

Q.LINQ relies on the concepts of extension methods, anonymous types, anonymous methods and _____.
1). xml expressions
2). data expressions
3). **lambda expressions**
4). sql expression

Q. Identify the correct statements about conceptual model in entity framework:

A: It models classes and their relationships
B: It is dependent on database
1). **Statement A is true**
Statement B is false

2). Statement A is false
Statement B is true

3). Both are true

4). Both are false

Q.Identify the different types of properties that can be created for a model in entity framework:
1). Scalar

2). Navigation

3). None of these

4). **Both Scalar and Navigation**