Name: _____   Date_____

1. What does MVC stand for and what is the relationship between each component?

_____

_____

_____

_____

2. How does routing work in MVC?

_____

_____

_____

_____

3. What are the differences (Advantages and Disadvantages) between the 'Code First' and 'Database First' approach?

_____

_____

_____

_____

4. Difference between [HttpPost] and [HttpGet]

_____

_____

_____

_____

5. Enums

    a. What is an enum?

      _____

      _____

    b. Why would one use an enum?

      _____

      _____

6. What should you do when you need to pass more than one model or object into the view?

_____

_____

_____

7. What is a practical example of when an anonymous object would be useful?

_____

_____

_____

8. Considering the following code

`<a href="" id= "pageTitle"  class="title">Page Title</a>`

how would you:

      c. reference this in jquery or javascript?

      _____

      d. reference this in css?

      _____

6. Client Side vs Server Side : Explain the difference:

_____

_____

9. What purpose do the async/await keywords have?

_____

_____

10. Using either LINQ or SQL:

List the company name and headquarters address of all shipping companies that Vendor

#35 has used:

Order	Product	Shipping Company	Vendor
OrderID	ProductID	ShippingCompanyID	VendorID
ProductID	Name	Company Name	Vendor Name
ShippingCompanyID	VendorID	Warehouse Address	Contact Name
	Description	Headquarters Address	Contact Email Address
	QuantityInStock		Contact Phone Number

			Vendor Address

_____

_____

_____

_____

11. Using any language:

    a. Display this in UI:

12. Create a Model For an Employee considering the following information

    b. Every employee

        i. Must live in one of two cities (Jerusalem or Bnei Brak)

        ii. Has the ability to update hours

    c. There are two employee types:

        i. Salaried Employee

            1. Receives a salary per month, Vacation days, Sick Days

        ii. Freelancer

            1. Receives a salary per hour

            2. Has the ability to work from home

13. Create a simple UI in html, razor or asp to create an Employee.

14. Create a test plan for a login that contains two factor authentication.

_____

_____

_____

_____

_____