

Name: _____

Date _____

1. Considering the following code

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

how would you:

- a. reference this in jquery or javascript?

- b. reference this in css?

2. How would you implement the same jquery function on multiple input fields?

3. Client Side vs Server Side

- a. Explain the difference:

- b. Give examples of where one would use client side over server side and vice versa

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

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

- a. Every employee
 - i. Must live in one of two cities (Jerusalem or Bnei Brak)
 - ii. Has the ability to update hours
- b. 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

6. Define the three relationships of entities in a DBMS:

a. _____

b. _____

c. _____

7. When creating an app what might be some reasons that you would use multiple databases?

8. When would one use constraints when creating a SQL database and how would you define these constraints in Entity Framework Code First?

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

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

11. 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

12. Explain the basics of github/Source control

13. How would you handle a conflict in Git?
