**Lab Seven Solutions**

**Question one:**

**Output: undefined**

**8**

**9**

**9**

**10**

**1**

**Question Two:**

**Global Scope:** Anything that is defined in the global environment is said to reside in the global scope. If you define an object, a variable, a function or a module outside a function or a curly brace it is said to be in the global scope. If you define a variable without var, let or const then it will reside in the global scope even if tis defined inside a function. Global Scope is accessible from anywhere in the program.

**Local Scope**: Anything that is defined inside a function is said to reside in the local scope. It is only accessible inside that function. If you define a variable without var, let or const then it will reside in the global scope even if tis defined inside a function. Global Scope is accessible from anywhere in the program.

**Question Three:**

1. No
2. Yes
3. No
4. Yes
5. Yes

**Question Four**

Output: 81

25

**Question Five:**

Output:10

**Question Seven:**

The free variable is counter. Counter is accessible from the inner function even if it is not defined inside that function so it’s a free variable.

A free variable is a variable that can be accessed by inner function even if its not defined inside it. The inner function will have closure.

**Question Nine:**

iife helps us clean the global namespace and wrap a function definition inside on scope