

WAP Lab 8

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Answer 6

```
const count = {  
  counter: 0,  
  add: function() {  
    this.counter += 1;  
  },  
  reset: function() {  
    this.counter = 0;  
  }  
}
```

Answer 7

The free variable of the object count is **counter**; a free variable is a variable that is declared in an external scope and is used in an inner function scope. Thus, its result is dynamic because it has a reference to the name of the object, not to its value.

Answer 8

```
function make_adder(param) {  
  let counter = 0;  
  return function() {  
    return counter += param;  
  }  
};
```

Answer 9

Immediately Invoked Function Expression (IIFE)

Answer 10

```
const employee = (function() {
    let name = '', age = 0, salary = 0.0;

    function getName() {return name;}
    function getAge() {return age;}
    function getSalary() {return salary;}

    const setName = function(newName) {name = newName;}
    const setAge = function(newAge) {age = newAge;}
    const setSalary = function(newSalary) {salary = newSalary;}

    return {
        setName: setName,
        setAge: setAge,
        setSalary: setSalary,
        increaseSalary: function increaseSalary(percentage){
            setSalary(getSalary() + (getSalary()*percentage)); //Alternative way :
            1 + percentage/100
        },
        incrementAge: function incrementAge(){return age = (getAge() + 1);},
    }
})();
```

Answer 11

```
employee.address = '';
employee.getAddress = function () { return employee.address; };
employee.setAddress = function (newAddress) { employee.address = newAddress; };
```