Quiz 5

1. What is printed when this function is called with: console.log(dayMonth("05/15/2019"));

```
let dayMonth = function(dateStr) {
    var date1 = new Date(dateStr);
    return date1.getMonth() + "/" + date1.getDate();
}
```

2. What is printed when this function is called with: console.log(isAlpha("e"));

```
let isAlpha = function(ch) {
    let patt, ch;
    patt = \[a-z]\;
    ch = ch.toUpperCase();
    if (patt.test(ch))
        return true;
    else
        return false;
};
```

3. What is printed when this function is called with: console.log(countIt(6));

```
function countIt(number) {
    let count=0;
    let i=number;
    while (i>1) {
        count=count+1;
        i--;
    }
    return count;
}
```

4. What is printed when this function is called with: console.log(sumIt(10));

```
function sumIt(number) {
    let total=0;
    for (let i=0; i<=number; i+=2) {
        total+=i;
        i++;

    }
    return total;
}
```

5. How many arguments should be passed when calling the following function?

```
let volumeRectangle = function(length, width, height) {
    volume = length * width * height;
    return volume;
}
```

6. What is returned when the following function is called with:
console.log(discountValue(20, 1240));

```
function discountValue(quantity, price) {
    var refund;
    if (quantity >= 25 && price >= 1000)
        refund = 100;
    else if (quantity >= 10 && price >= 1000)
        refund = 50;
    else if (quantity >= 5 && price >= 100)
        refund = 10;
    else
        refund = 0;
    return refund;
}
```

7. What is printed when this function is called with: console.log(toggleLight("on"));

```
var toggleLight = function(state) {
    if(state == "on")
        return "off";
    else
        return "on";
}
```

8. What is printed when this function is called with: console.log(securityLevel("CEO", "Admin"));

```
function securityLevel(job, dept) {
    if ((job == "CEO") || ( dept == "Finance"))
        return 7;
    else
        return 3;
}
```

9. What does the following function return when called with this statement: alert(isQuarter(10));

```
function isQuarter(coin) {
    if (coin == 25)
        return true;
    else
        return false;
}
```

10. What is the value of result after the following code is executed, when user gives 3, 4, and 5 as inputs?

```
let func = function (n1, n2, n3){
    let result;
    result= n2 + n1 + n3 + n1 + n3 + n2;
}
let number1 = Number (prompt ("Enter the first number"));
let number2 = Number (prompt ("Enter the second number"));
let number3 = Number (prompt ("Enter the third number"));
let result = func (number1, number2, number3);
console.log(result);
```