**Topic: Scope, Hoisting, Control Structures, Regex, Numbers**

1. If we execute this Javascript, what will the browser's console show?

**var** text = **'outside'**;

**function** logIt(){

console.log(text);

**var** text = **'inside'**;

};

logIt();

1. Write a regular expression to reverse the first and last name
2. Write a Regular expression to validate email address
3. Find the Output

**var** x = 100;

console.log(x);

**function** test(){

**var** x = 250;

console.log(x);

**if** (x > 100) {

let x = 350;

console.log(x);

}

console.log(x);

}

test();

console.log(x);

1. What is the difference of output between these two expressions? Give your reasons for it:
   1. 12 == “12”
   2. 12 === “12”
   3. Number(12) === 12
2. What is NaN?