NAME:

**Question 1:**

```
var employees = [
    { id: 10, name: 'John', experience: 5},
    { id: 15, name: 'Mathew', experience: 7},
    { id: 20, name: 'keith', experience: 12},
    { id: 25, name: 'louis', experience: 5},
    { id: 30, name: 'mark', experience: 4},
    { id: 35, name: 'Ash', experience: 3},
    { id: 40, name: 'robert', experience: 6},
]
```

Print: All ID's in an array example: [10, 15, 20, 25, 30, 35, 40]

```
for(emp of employees){
    console.log(emp.id);
}
```

Print: TOTAL no of years' experience they all have

```
var totalEmp = employees.reduce((total, emp) => {
    return total + emp.experience;
}, 0);
console.log(totalEmp);
```

Print: All employees whose experience is greater than 5 years

```
var result = employees.filter(emp => emp.experience > 5);
console.log(result);
```

**Question 2:**

```
let cat = {
    catName: 'Kitty',
    sayName () {
        console.log(this.catName);
    }
}

let sayName = cat.sayName;
```

Fix to Print out 'Kitty'

NAME:

```
let cat = {
    catName: 'Kitty',
    sayName () {
        console.log(this.catName);
    }
}

let sayName = cat.sayName();
```

## Question 3:

```
class user {
   displayName() {
      return this.name + ' is in ' + this.location;
   }
}
```

var user1 = new user('Marlabs', 'New Jersey');

console.log(user1.displayName());

Print: 'Marlabs is in New Jersey' (DO NOT create variables outside the User class)

```
class user {
    constructor(name, location){
        this.name = name;
        this.location = location;
    }
    displayName() {
        return this.name + ' is in ' + this.location;
    }
}

var user1 = new user('Marlabs', 'New Jersey');
console.log(user1.displayName());
```

## Question 4:

NAME:

```
function myName(fName, lName) {
    console.log(`my name is ${fName} ${lName}`);

    function fullDetails(companyName) {
        const value = `my name is ${fName} ${lName} and I work for ${companyName}`
        return value;
    }

    return fullDetails;
}
```

<mark>Print: 'My name is Althaf Pattan and I work for Marlabs'</mark>

```
function myName(fName, lName) {

    console.log(`my name is ${fName} ${lName}`);


    function fullDetails(companyName) {

        const value = `my name is ${fName} ${lName} and I work for
${companyName}`

        return value;

    }


    return fullDetails;

}


var resp = myName('Altaf','Pattan').call(this, 'Marlabs');

console.log(resp);
```

## Question 5:

```
var pokemon = {
    firstname: 'Pika',
    lastname: 'Chu ',
    getPokeName: function() {
        var fullname = this.firstname + ' ' + this.lastname;
        return fullname;
    }
};

var pokemonName = function(snack, hobby) {
    console.log(this.getPokeName() + 'I choose you!');
```

```
    console.log(this.getPokeName() + ' loves ' + snack + ' and ' + hobby);
};
```

Print: 'Pika Chu  loves sushi and algorithms'

```
var pokemon = {
    firstname: 'Pika',
    lastname: 'Chu ',
    getPokeName: function() {
        var fullname = this.firstname + ' ' + this.lastname;
        return fullname;
    }
};


var pokemonName = function(snack, hobby) {
    console.log(this.getPokeName() + 'I choose you!');
    console.log(this.getPokeName() + ' loves ' + snack + ' and ' + hobby);
}.bind(pokemon);


pokemonName('sushi', 'algorithms');
```


Question 6:

```
var x = '5';
var promise1 = new Promise(function(resolve, reject) {
    if (x  = 5) {
        let data = {
            name: 'Marlabs',
            address: {
                state: 'NJ',
                zip: 084444
            }
        }
        console.log(data);
        resolve();
    } else {
        var res = new Error('failed......');
        reject(res);
    }
});
```

NAME:

```javascript
var promise2 = function(address) {
   var msg = address.state + ' ' + address.zip;
   return Promise.resolve(msg);
}

var myFunc = function() {
   promise1
   .then(promise2)
   .then((data) => {
      console.log(data);
   })
   .catch(err => {
      console.log(err.message);
   });
};
```

<mark>Print: 'Marlabs address: New jersey, 08444'</mark>

```javascript
var x = 5;
var promise1 = new Promise(function(resolve, reject) {
   if (x  ==  5) {
      let data = {
         name: 'Marlabs',
         address: {
            state: 'NJ',
            zip: 08444
         }
      }
      //console.log(data);
      resolve(data);
   } else {
      var res = new Error('failed......');
      reject(res);
   }
});


var promise2 = function(address) {
   var msg = address.state + ' ' + address.zip;

   return Promise.resolve(msg);
```

NAME:

```javascript
}

var myFunc = function() {
    promise1
    .then((data) => {
        promise2(data.address);
    })
    .then((data) => {
        console.log(data);
    })
    .catch(err => {
        console.log(err.message);
    });
};
//'Marlabs address: New jersey, 08444
myFunc();
```