

NAME: Jit Desai

### 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]

**Answer:** `console.log(employees.map(employee=>employee.id));`

Print: TOTAL no of years' experience they all have

**Answer:** `var exp = employees.reduce((acc,current)=>{  
 return acc+current.experience;  
},0);  
console.log(exp);`

Print: All employees whose experience is greater than 5 years

**Answer:** `console.log(employees.filter(employee=>employee.experience>5));`

### Question 2: Fix to Print out 'Kitty'

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

`let sayName = cat.sayName;`

**Answer:**

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

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**Question 3:** Print: 'Marlabs is in New Jersey' (DO NOT create variables outside the User class)

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

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

```
console.log(user1.displayName());
```

**Answer 3:**

```
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:** Print: 'My name is Althaf Pattan and I work for Marlabs'

```
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;  
}
```

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**Answer 4:**

```
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 y = myName('Althaf', 'Pattan').call(this, 'Marlabs');
console.log(y);
```

**Question 5:** 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);
};
```

**Answer 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);
}.bind(pokemon);

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

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**Question 6:** Print: 'Marlabs address: New jersey, 08444'

```
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);
  }
});
```

```
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);
  });
};
```

**Answer 6:**

```
var x = 5;
var promise1 = new Promise(function(resolve, reject) {
  if (x == 5) {
    let data = {
      name: 'Marlabs',
      address: {
        state: 'NJ',
```

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```
        zip: 084444
      }
    }
    console.log(data.name,'address:');
    resolve(data.address);
  } else {
    var res = new Error('failed.....');
    reject(res);
  }
});

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);
  });
};

myFunc();
```