**Day 3:**

**Question 1:**

1. For the given JSON iterate over all for loops (for, for in, for of, forEach)

var cat = {  
 name: ‘Fluffy’,  
 activities: [‘play’, ‘eat cat food’],  
 catFriends: [  
 {  
 name: ‘bar’,  
 activities: [‘be grumpy’, ‘eat bread omblet’],  
 weight: 8,  
 furcolor: ‘white’  
 },   
 {  
 name: ‘foo’,  
 activities: [‘sleep’, ‘pre-sleep naps’],  
 weight: 3  
 }  
 ]  
}

a)for

for (var i=0; i<cat.length; i++) {  
   cat[i].furcolor = "red";  
}

b)forin

for (let key in obj) {

let value = obj[key];

c)forof

function **method1\_1**() {

for (let [key, value] of Object.**entries**(obj)) { }

d)for each

Object.**keys**(obj).**forEach**(key => {

let value = obj[key];

question 2:

json resume

"basics": {

"name": "xxx",

"label": "Programmer",

"image": "",

"email": "xx@gmail.com",

"phone": "(912) 555-4321"

"location": {

"address": "2712 Broadway St",

"postalCode": "CA 94115",

"city": "xx",

"countryCode": "x",

"region": "xxx"

},

"profiles": [{

"network": "Twitter",

"username": "john",

"url": "https://twitter.com/john"

}]

},

"education": [{

"institution": "University",

"url": "https://institution.com/",

"area": "Software Development",

"studyType": "Bachelor",

"startDate": "2011-01-01",

"endDate": "2013-01-01",

"score": "4.0",

"courses": [

"DB1101 - Basic SQL"

]

}],

"skills": [{

"name": "Web Development",

"level": "Master",

"keywords": [

"HTML",

"CSS",

"JavaScript"

]

}],

"languages": [{

"language": "English",

"fluency": "Native speaker"

}],

"interests": [{

"name": "Wildlife",

"keywords": [

"Ferrets",

"Unicorns"

]

}],

"references": [{

"name": "xxx",

"reference": "Reference…"

}],

"projects": [{

"name": "Project",

"description": "Description…",

"highlights": [

"Won award at AIHacks 2016"

],

}]