**JavaScript Assignment 14**

**1. Write a JavaScript program to:**

**a) filter employees according to department = IT**

**b) filter employees who earn a salary < 65000**

**Sample Input:**

**let employees = [**

**{**

**"id": 1,**

**"name":"Abhinav",**

**"department":"IT",**

**"Salary":75000**

**},**

**{**

**"id": 2,**

**"name":"Gaurav",**

**"department":"Sales",**

**"Salary":52000**

**},**

**{**

**"id": 3,**

**"name":"Raj",**

**"department":"IT",**

**"Salary":64000**

**}]**

**Output:**

**[**

**{**

**"id": 1,**

**"name":"Abhinav",**

**"department":"IT",**

**"Salary":75000**

**},**

**{**

**"id": 3,**

**"name":"Raj",**

**"department":"IT",**

**"Salary":64000**

**}**

**]**

**[**

**{**

**"id": 2,**

**"name":"Gaurav",**

**"department":"Sales",**

**"Salary":52000**

**},**

**{**

**"id": 3,**

**"name":"Raj",**

**"department":"IT",**

**"Salary":64000**

**}**

**]**

let employees = [

    {

    "id": 1,

    "name":"Abhinav",

    "department":"IT",

    "Salary":75000

    },

    {

    "id": 2,

    "name":"Gaurav",

    "department":"Sales",

    "Salary":52000

    },

    {

    "id": 3,

    "name":"Raj",

    "department":"IT",

    "Salary":64000

    }];

let dep = employees.filter(dept => dept.department== "IT");

console.log(dep);

let sal = employees.filter(sal => sal.Salary < 65000);

console.log (sal);

**OUTPUT**:

PS C:\Users\ADMIN\Documents\c\JS\_CODE> node assign\_14\_1.js

[

{ id: 1, name: 'Abhinav', department: 'IT', Salary: 75000 },

{ id: 3, name: 'Raj', department: 'IT', Salary: 64000 }

]

[

{ id: 2, name: 'Gaurav', department: 'Sales', Salary: 52000 },

{ id: 3, name: 'Raj', department: 'IT', Salary: 64000 }

]

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**2. Write a JavaScript program to filter the hospitals according to:**

**a) Number of Beds > 200**

**b) Availability of Beds = Yes**

**c) Location = Pune**

**Sample Input:**

**let hospitals = [**

**{**

**"id": 1,**

**"name":"Hospital A",**

**"location":"Delhi",**

**"noOfBeds":450,**

**“availability”:”Yes”**

**},**

**{**

**"id": 2,**

**"name":"Hospital B",**

**"location":"Pune",**

**"noOfBeds":150,**

**“availability”:”No”**

**},**

**{**

**"id": 3,**

**"name":"Hospital**

**C",**

**"location":"Pune",**

**"noOfBeds":350.**

**“availability”:”Yes”**

**}]**

**Output:**

**[**

**{**

**"id": 1,**

**"name":"Hospital**

**A",**

**"location":"Delhi",**

**"noOfBeds":450,**

**“availability”:”Yes”**

**},**

**{**

**"id": 3,**

**"name":"Hospital**

**C",**

**"location":"Pune",**

**"noOfBeds":350,**

**“availability”:”Yes”**

**}**

**]**

**[**

**{**

**"id": 1,**

**"name":"Hospital**

**A",**

**"location":"Delhi",**

**"noOfBeds":450,**

**“availability”:”Yes”**

**},**

**{**

**"id": 3,**

**"name":"Hospital**

**C",**

**"location":"Pune",**

**"noOfBeds":350,**

**“availability”:”Yes”**

**}**

**]**

**[**

**{**

**"id": 2,**

**"name":"Hospital B",**

**"location":"Pune",**

**"noOfBeds":150,**

**“availability”:”No”**

**},**

**{**

**"id": 3,**

**"name":"Hospital**

**C",**

**"location":"Pune",**

**"noOfBeds":350,**

**“availability”:”Yes”**

**}**

**]**

let hospitals = [

    {

    "id": 1,

    "name":"Hospital A",

    "location":"Delhi",

    "noOfBeds":450,

    "availability":"Yes"

    },

    {

    "id": 2,

    "name":"Hospital B",

    "location":"Pune",

    "noOfBeds":150,

    "availability":"No"

    },

    {

    "id": 3,

    "name":"Hospital C",

    "location":"Pune",

    "noOfBeds":350,

    "availability":"Yes"

    }];

/\* a) Number of Beds > 200 \*/

let beds = hospitals.filter(bed => bed.noOfBeds > 200 );

console.log(beds);

/\* b) Availability of Beds = Yes \*/

let avail = hospitals.filter(availbed => availbed.availability === "Yes");

console.log(avail);

/\* c) Location = Pune \*/

let loc = hospitals.filter(locate => locate.location === "Pune");

console.log(loc);

**OUTPUT:**

**PS C:\Users\ADMIN\Documents\c\JS\_CODE> node assign\_14\_2.js**

**[**

**{**

**id: 1,**

**name: 'Hospital A',**

**location: 'Delhi',**

**noOfBeds: 450,**

**availability: 'Yes'**

**},**

**{**

**id: 3,**

**name: 'Hospital C',**

**location: 'Pune',**

**noOfBeds: 350,**

**availability: 'Yes'**

**}**

**]**

**[**

**{**

**id: 1,**

**name: 'Hospital A',**

**location: 'Delhi',**

**noOfBeds: 450,**

**availability: 'Yes'**

**},**

**{**

**id: 3,**

**name: 'Hospital C',**

**location: 'Pune',**

**noOfBeds: 350,**

**availability: 'Yes'**

**}**

**]**

**[**

**{**

**id: 2,**

**name: 'Hospital B',**

**location: 'Pune',**

**noOfBeds: 150,**

**availability: 'No'**

**},**

**{**

**id: 3,**

**name: 'Hospital C',**

**location: 'Pune',**

**noOfBeds: 350,**

**availability: 'Yes'**

**}**

**]**