<html>

<head>

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<body>

<script>

const people =[{ firstName: 'Sam', lastName: 'Hughes', DOB: '07/07/1978', department: 'Development', salary: '45000' },

{ firstName: 'Terri', lastName: 'Bishop', DOB: '02/04/1989', department: 'Development', salary: '35000' },

{ firstName: 'Jar', lastName: 'Burke', DOB: '11/01/1985', department: 'Marketing', salary: '38000' },

{ firstName: 'Julio', lastName: 'Miller', DOB: '12/07/1991', department: 'Sales', salary: '40000' },

{ firstName: 'Chester', lastName: 'Flores', DOB: '03/15/1988', department: 'Development', salary: '41000' },

{ firstName: 'Madison', lastName: 'Marshall', DOB: '09/22/1980', department: 'Sales', salary: '32000' },

{ firstName: 'Ava', lastName: 'Pena', DOB: '11/02/1986', department: 'Development', salary: '38000' },

{ firstName: 'Gabriella', lastName: 'Steward', DOB: '08/26/1994', department: 'Marketing', salary: '46000' },

{ firstName: 'Charles', lastName: 'Campbell', DOB: '09/04/1977', department: 'Sales', salary: '42000' },

{ firstName: 'Tiffany', lastName: 'Lambert', DOB: '05/11/1990', department: 'Development', salary: '34000' },

{ firstName: 'Antonio', lastName: 'Gonzalez', DOB: '03/24/1985', department: 'Office Management', salary: '49000' },

{ firstName: 'Aaron', lastName: 'Garrett', DOB: '09/04/1985', department: 'Development', salary: '39000' },

];

//average income of all the people

function avg()

{

var sum=0;

for(var i=0;i<people.length;i++)

{

sum=sum+parseInt(people[i].salary);

}

return sum/people.length;

}

document.writeln("Average Salary:"+avg());

//people that are currently older than 30

var age=[];

for(var i=0;i<people.length;i++)

{

if((new Date().getFullYear()-new Date(people[i].DOB).getFullYear()) > 30)

{

age.push(people[i]);

}

}

console.table("Older than 30:"+age);//to print the values in arrays as values

//people's full name

var fullName = [];

for(i=0; i < people.length; i++)

{

fullName.push(`${people[i].firstName} ${people[i].lastName}`);

}

console.table(fullName);//table is used to print values in arrays

//People from youngest to oldest

const oldest = people.sort((a, b) => new Date(a.DOB) - new Date(b.DOB) ? 1 : -1)

console.table(oldest);

//People count in each department

const departments= {};

people.forEach(person =>

!departments[person.department] ? departments[person.department] = 1

: departments[person.department] += 1);

console.table(departments);

</script>

</body>

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