# JavaScript fundamental

**1.** Write a program to compare two objects and return true or false.
**Ex.**

```
obj1 = { hair: 'long', beard: true }
obj2 = { hair: 'long', beard: false }
```
**Result**

```
false
```

**2.** Write a program to convert string to a 2D array of objects. The first row of the string is used as the title.
**Ex.**

```
inputString = 'col1,col2\na,b\nc,d'
```
**Result**

```
[{'col1': 'a', 'col2': 'b'}, {'col1': 'c', 'col2': 'd'}]
```

**3.** Write a program to convert an array of objects to a string. That contains dynamic columns and delimiter specified.
**Ex.**

```
inputString1 = [{col1:'a', col2:'b'}]
```
**Result**

```
'Col1,col2\na,b'
```

**4.** Write a program to combine the numbers of a given array into an array containing all combinations. (`reduce`)
**Ex.**

```
input = [1,2]
```
**Result**

```
[[],[1],[2],[2,1]]
```

**5.** Write a program to replace the names of multiple object keys.
**Ex.**

```
obj = { name: 'JJ', job: 'Programmer',  age: 22 };
renameKey ={ name: 'firstName', job: 'Role' };
```

**Result**

```
{ firstName:'JJ', Role:'Programmer', age:22 }
```

**6.** Write a program to filter out the non-unique values in an array.
**Ex.**

```
imput = [1, 2, 2, 3, 4, 4, 5];
```

**Result**

```
[1,3,5]
```

**7.** Write a program that will return true if the string is y/yes or false if the string is n/no. (regex)
**Ex.**

```
imput1 ='y';
imput2 = 'No';
```

**Result**

```
true
false
```

**8.** Write a program to get a sorted array of objects ordered by properties and orders.
**Ex.**

```
imput =[    { name: 'fred', age: 48 },
            { name: 'barney', age: 36 },
            { name: 'fred', age: 40 } ];
ordered by = ['name', 'age']
orders = ['asc', 'desc']
```

**Result**

```
[{"name":"barney","age":36},{"name":"fred","age":48},{"name":"fred","age":40}]
```

**9.** Write a program to remove the key-value pairs to the given keys.
**Ex.**

imput =`{ a: 1, b: '2', c: 3 };`
remove key= `['b']`

**Result**

`{"a":1,"c":3}`

**10.** Write a program to convert time 24 hours to 12 hours.
**Ex.**

imput1 =`0;`
imput2 =`13;`

**Result**

`12am`
`1pm`