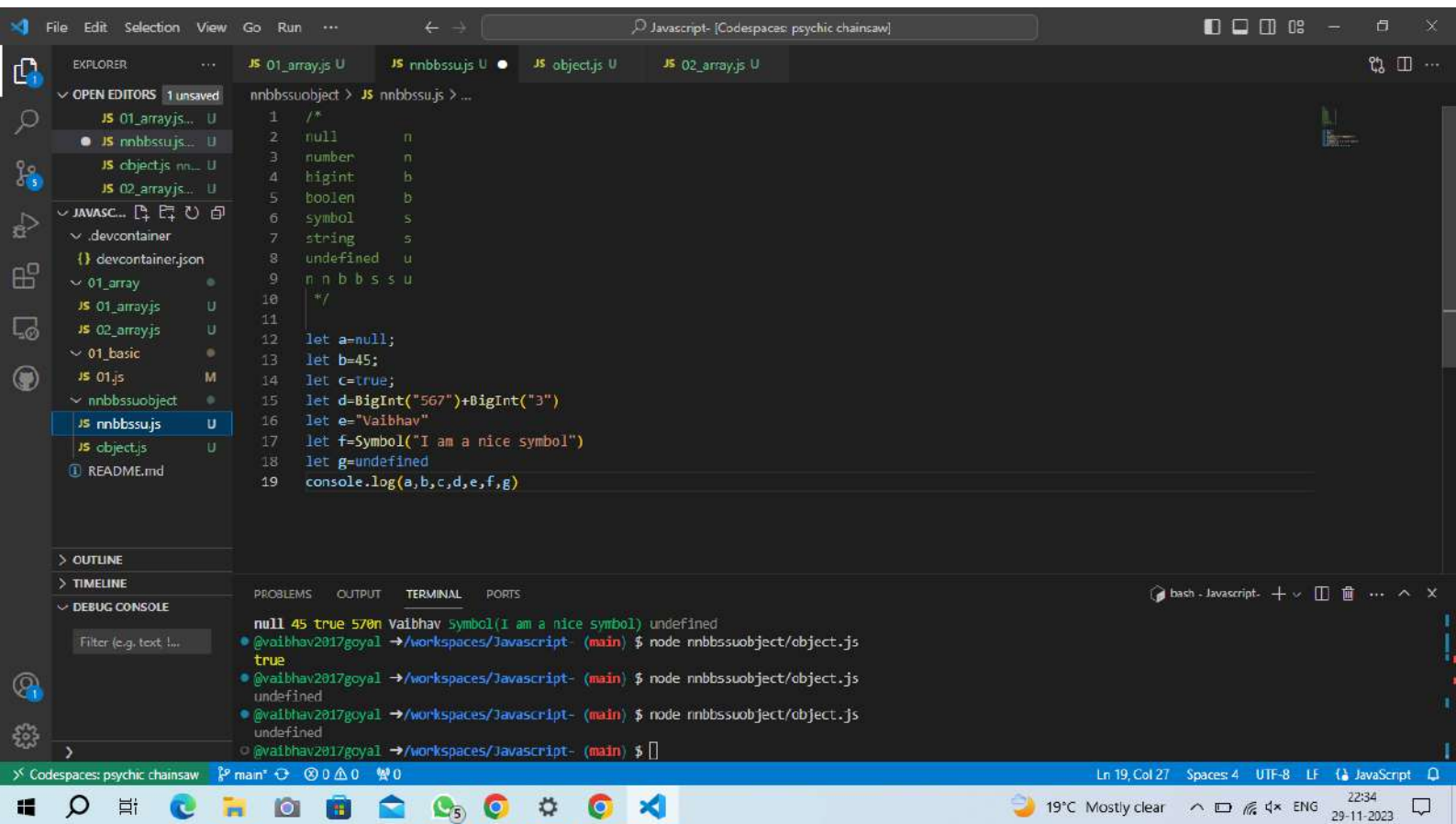


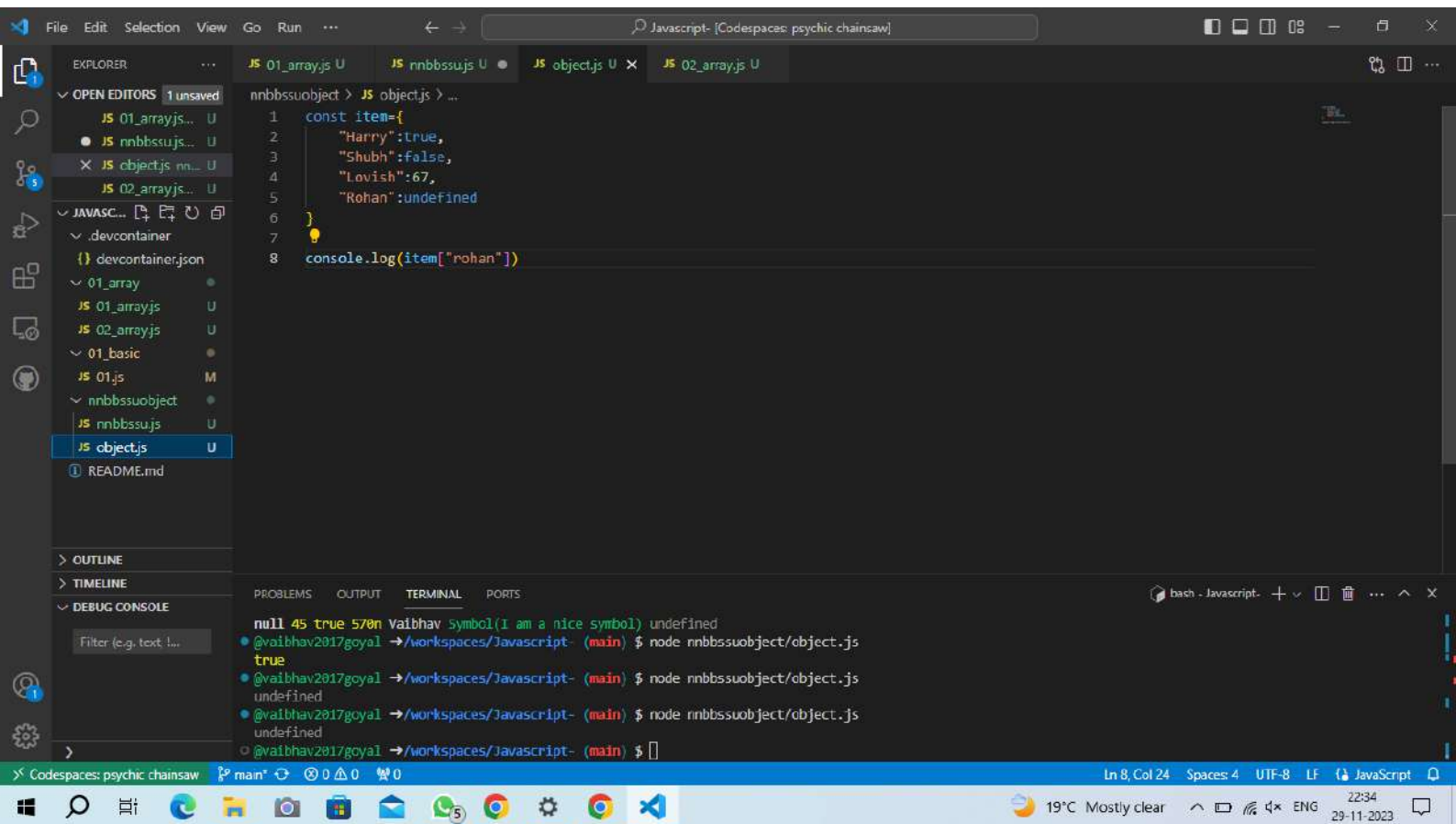


NULL
NUMBER
SYMBOL
STRING
BOOLEAN
BIGINT
UNDEFINED

and U - means Undefined







TYPES OF CONVERSION

- STRING
- BOOLEAN
- NUMBER

IMPLICIT V/S EXPLICIT COERSION

```
true + false           // 1
12 / "6"               // 2
"number" + 15 + 3      // 'number153'
15 + 3 + "number"      // '18number'
[1] > null              // true
"foo" + + "bar"        // 'fooNaN'
'true' == true         // false
false == 'false'       // false
null == ''             // false
!!"false" == !!"true"  // true
['x'] == 'x'           // true
[] + null + 1          // 'null1'
[1,2,3] == [1,2,3]     // false
{}+[]+{}+[1]           // '0[object Object]1'
!+[]+[]+![]           // 'truefalse'
new Date(0) - 0        // 0
new Date(0) + 0        // 'Thu Jan 01 1970 02:00:00(EET)0'
```

IMPLICIT

IMPLICIT V/S EXPLICIT COERSION

```
String(123)           // '123'  
String(-12.3)         // '-12.3'  
String(null)          // 'null'  
String(undefined)     // 'undefined'  
String(true)           // 'true'  
String(false)         // 'false'
```

EXPLICIT

File Edit Selection View Go Run ... JavaScript - [Codespaces: psychic chainsaw]

EXPLORER

- OPEN EDITORS 1 unsaved
 - JS set.js Set, map U
 - JS Map.js Set, map U
- JAVASCRIPT - [CODESPACE...]
 - .devcontainer
 - devcontainer.json
 - 01_array
 - 01_array.js
 - 02_array.js
 - 01_basic
 - 01.js
 - nmbssuobject
 - nmbssu.js
 - object.js
 - Set, map
 - Map.js U
 - set.js U
 - README.md
- OUTLINE
- TIMELINE
- DEBUG CONSOLE
 - Filter (e.g. text: L...

Set, map > JS set.js > ...

```
1 //create set
2 let myarr=[1,2,3,4]
3 let myset=new Set(myarr)
4
5 //method in set
6 //myset.add("100") //insert string in set
7 myset.add({a:1,b:2}) //insert object in set
8 //myset.delete(2) // delete in set
9 //myset.clear()//clear all element
10 //console.log(myset.size)//size of set
11
12 myset.forEach(function(val){
13     console.log(val)
14 })
15
16 // Weak set
17
18 let carWeakset=new WeakSet();
19
20
21 let car1={
22     company:'maruti',
23     model:'800'
24 };
25
26 carWeakset.add(car1);
27
28
29 let car2={
30     company:'honda',
31     model:'i10'
32 };
33
34 carWeakset.add(car2);
35
36 console.log(carWeakset);
37
38
```

Codespaces: psychic chainsaw main 0 0 0 1 Ln 34, Col 22 Spaces: 4 UTF-8 LF JavaScript 18°C Partly cloudy 08:07 01-12-2023

File Edit Selection View Go Run ...

JavaScript- [Codespaces: psychic chainsaw]

EXPLORER

1 unsaved

- JS setjs Setmap U
- JS Mapjs Set... U

JAVASCRIPT- (CODESPACE...)

- .devcontainer
- devcontainer.json
- 01_array
- JS 01_arrayjs
- JS 02_arrayjs
- 01_basic
- JS 01.js
- nbbssuobject
- JS nbbssujs
- object.js
- Setmap
- JS Mapjs U
- JS setjs U

OUTLINE

TIMELINE

DEBUG CONSOLE

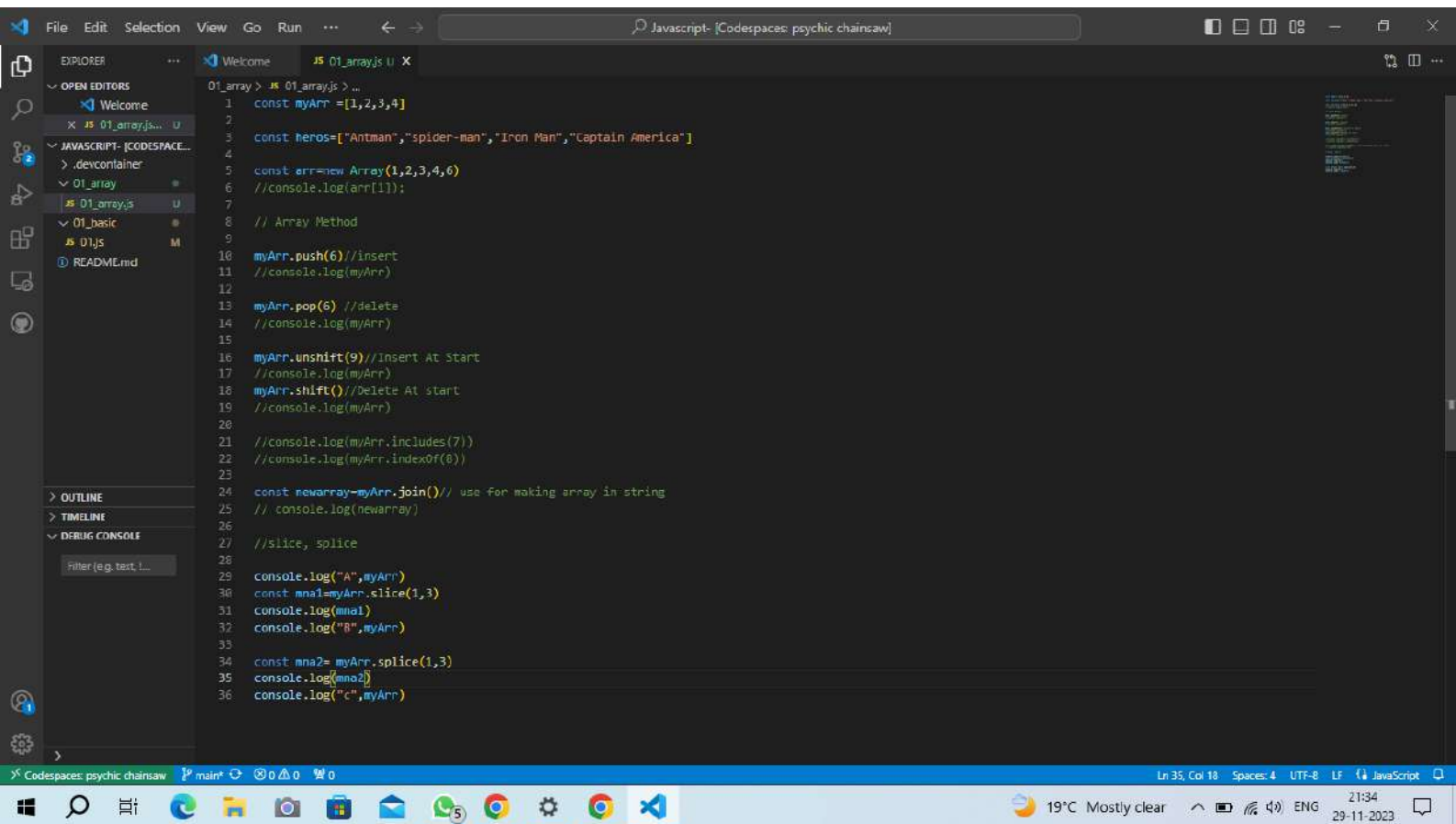
Filter (e.g. text, l...)

```
Setmap > JS Mapjs > [0] car1
1 let mymap= new Map([["a1","hello"],["b1","Goodbye"]])
2 mymap.set("c3","Vaibhav")
3 mymap.delete("b1")
4 mymap.clear()
5 //console.log(mymap.size)
6
7 //weakmap
8 let carWeakMap=new WeakMap();
9 let key1={
10   id:1
11 }
12 let car1={
13   company:'maruti',
14   model:'800'
15 }
16
17 carWeakMap.set(key1,car1);
18
19 let key2={
20   id:2
21 }
22 let car2={
23   company:'maruti',
24   model:'800'
25 }
26
27 carWeakMap.set(key2,car2);
28 console.log(carWeakMap)
```

Codespaces: psychic chainsaw main 0 0 1

Ln 12, Col 11 Spaces: 4 UTF-8 LF JavaScript

18°C Partly cloudy 08:14 01-12-2023



File Edit Selection View Go Run ... Javascript- [Codespaces: psychic chainsaw]

EXPLORER

OPEN EDITORS 1 unsaved

- Welcome
- JS 01_arrayjs... U
- JS 02_arrayjs... U

JAVASCRIPT- (CODESPACE...)

- .devcontainer
- 01_array
 - JS 01_arrayjs U
 - JS 02_arrayjs U
- 01_basic
 - JS 01.js M
- README.md

OUTLINE

TIMELINE

DEBUG CONSOLE

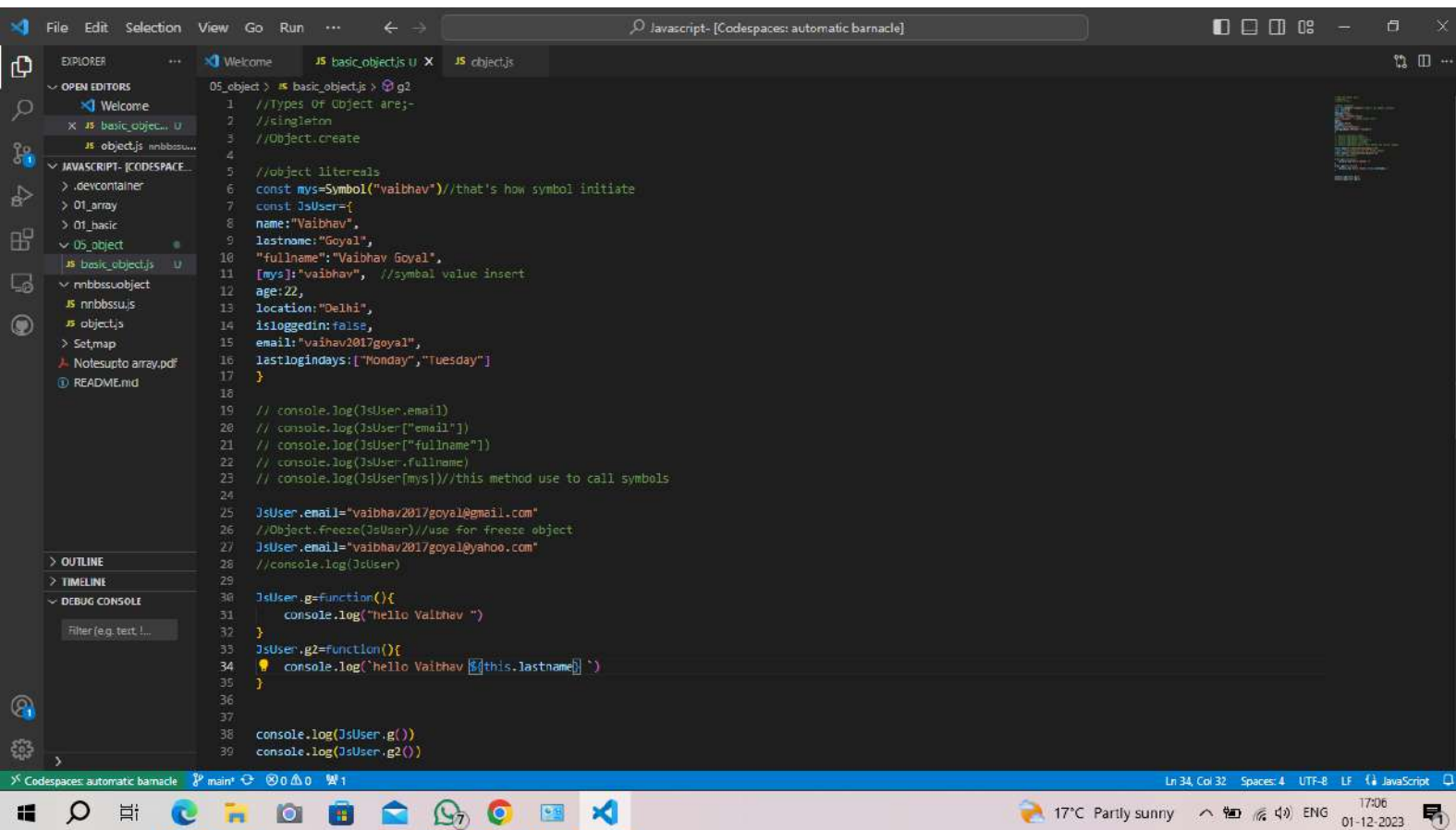
Filter (e.g. text, l...)

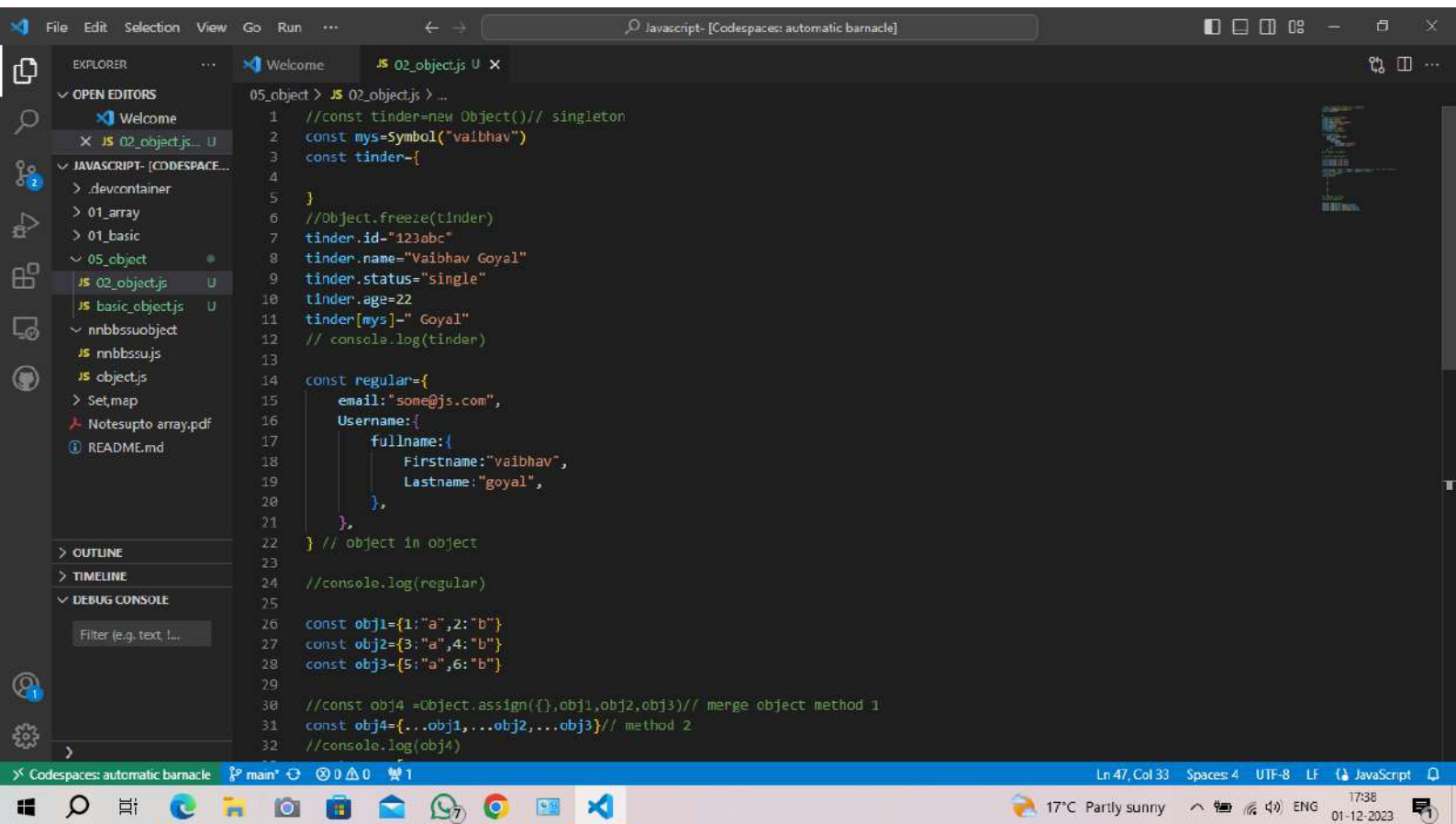
```
01_array > JS 02_arrayjs > ...
1 //Array 2
2 const marvel_heros=["Thor","Iron-Man","Spider-Man"]
3 const dc=["Flash","superman","Batman"]
4
5 marvel_heros.push(dc)//array in array
6 console.log(marvel_heros)
7 const newarray=marvel_heros.concat(dc)
8 console.log(newarray)
9
10 const new_array=[...marvel_heros,...dc]
11 console.log(new_array)
12
13 const another_array=[1,2,3,[4,5],[5,6,[7,8]]]
14 const real_another_array=another_array.flat(Infinity)
15
16 console.log(real_another_array)
17
18 console.log(Array.from("Vaibhav"))
19 |
20 console.log(Array.isArray("vaibhav"))
21
22 let score1=100
23 let score2=200
24 let score3=300
25 console.log(Array.of(score1,score2,score3))
```

Codespaces: psychic chainsaw main 0 0 0 0 0

Ln 19, Col 1 Spaces: 4 UTF-8 LF JavaScript

19°C Mostly clear 22:04 29-11-2023





File Edit Selection View Go Run ... Javascript- [Codespaces: automatic barnacle]

EXPLORER

OPEN EDITORS

- Welcome
- JS 02_objectjs U

JAVASCRIPT- [CODESPACE...]

- .devcontainer
- 01_array
- 01_basic
- 05_object
 - JS 02_objectjs U
 - JS basic_objectjs U
 - JS nmbssuobject
 - JS objectjs
- Set, map
- Notesupto array.pdf
- README.md

OUTLINE

TIMELINE

DEBUG CONSOLE

Filter (e.g. text, ...)

05_object > JS 02_objectjs > ...

```
23
24 //console.log(regular)
25
26 const obj1={1:"a",2:"b"}
27 const obj2={3:"a",4:"b"}
28 const obj3={5:"a",6:"b"}
29
30 //const obj4 =Object.assign({},obj1,obj2,obj3)// merge object method 1
31 const obj4={...obj1,...obj2,...obj3}// method 2
32 //console.log(obj4)
33 const user=[
34   {
35   },
36 },
37 {
38 },
39 },
40 {
41 },
42 }
43 ]// objects in array
44 //console.log(user)
45
46 console.log(tinder)
47 console.log(Object.keys(tinder))
48 console.log(Object.values(tinder))
49 console.log(Object.entries(tinder))
50 console.log(tinder.hasOwnProperty('name'))]
```

Ln 50, Col 42 Spaces: 4 UTF-8 LF JavaScript

17°C Partly sunny 17:40 01-12-2023