

Assignment

Q- Filter unique array members using Set.

```
> var arr = [2, -1, 8, 2, 34, 32, 34, 4, 5, 4, 3];
```

```
< undefined
```

```
> var s = new Set();  
  arr.forEach(function(item){  
    s.add(item);  
  });
```

```
< undefined
```

```
> s;
```

```
< ► Set(8) {2, -1, 8, 34, 32, ...}
```

```
> var arr = [1, 1, 1, 1, 1, 999, -999];
```

```
< undefined
```

```
> var s1 = new Set([...arr]);
```

```
< undefined
```

```
> s1;
```

```
< ► Set(3) {1, 999, -999}
```

```
>
```

Q-Write a program to implement inheritance upto 3 classes.The Class must public variables and static functions.

<https://jsbin.com/kitowarifu/edit?js,console,output>

Q-Write a program to implement a class having static functions

```
> class Election{
    static min_age(){
        console.log("Minimum age for voting is 18");
    }
}
```

```
< undefined
```

```
> console.log(Election.min_age());
```

```
Minimum age for voting is 18
```

```
VM1099:3
```

Q-Import a module containing the constants and method for calculating area of circle, rectangle, cylinder.

<https://jsbin.com/zayuyad/edit?html,js,console,output>

Q-Import a module for filtering unique elements in an array.

<https://jsbin.com/zayuyad/2/edit?html,js,console,output>

Q-Write a program to flatten a nested array to single level using arrow functions.

<https://jsbin.com/seleboj/edit?html,js,console,output>

Q-Implement a singly linked list in es6 and implement addFirst() addLast(), length(), getFirst(), getLast(). (without using array)

Q-Implementation of stack (using linked list)

<https://jsbin.com/tisucaf/1/edit?html,js,console,output>