

JS count-dup.js U

JS unq-ele.js U

JS com10.js U

JS reverse.js U

JS range-prime.js U

JS previous_prin

jsprobelms > day6 > JS armtask1.js > [a] a

```

1 // check whether the given number is armstrong or not
2 // let num=153
3 var a = (num) => {
4     let num1 = num;
5     let num2 = num;
6
7     pow = 0;
8
9     while (num !== 0) {
10         num % 10;
11         num = Math.floor(num / 10);
12         pow++;
13     }
14     // console.log(pow); got length and power of the given number
15
16     let sum = 0;
17     while (num1 !== 0) {
18         last = num1 % 10;
19         sum = sum + last ** pow;
20         num1 = Math.floor(num1 / 10); //taken single digits and adding powers of a number
21     }
22
23     if (sum == num2) {
24         console.log("armstrong");
25     } else {
26         console.log("not an armstrong");
27     }
28 };
29 a(153);
30

```

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OUTPUT

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C:\Program Files\nodejs\node.exe .\jsprobelms\day6\armtask1.js
armstrong

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Ln 15, C



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jsprobelms > day6 > JS lcmtask.js > ...

```
1 // find the lcm of a given two numbers
2
3 function lcmm(a,b){
4
5     // let a=10
6     // let b=155
7
8     let min=a>b?b:a
9     let max=a>b?a:b
10
11     if(max%min==0){
12         console.log(max,"is lcm");
13     }
14     else{
15         check=max
16         while (true){
17             check+=max
18             if(check%min==0 && check%max==0){
19                 console.log(check,"is the lcm");
20                 break
21             }
22         }
23     }
24 }
25
26
27 lcmm(10,155)
```

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```
C:\Program Files\nodejs\node.exe .\jsprobelms\day6\lcmtask.js
310 is the lcm
```

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jsprobelms > day6 > JS lenofanum.js > ...

```
1 // find the length of a number
2
3 let num=2535414545637483
4 length=0
5 while(num!=0){
6     num%10
7     num=Math.floor(num/10)
8     length++
9 }
10 console.log(length);
11
12
13 // reverse a number
14
15 let num1=2535414545637483
16 rev=0
17 while(num1!=0){
18     last=num1%10
19     rev=rev*10+last
20     num1=Math.floor(num1/10)
21 }
22 console.log(rev);
23
```

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```
C:\Program Files\nodejs\node.exe .\jsprobelms\day6\lenofanum.js
16
3847365454145352
```

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```
jsprobelms > day6 > JS primecheck.js > ...
```

```
1 // take numbers and check if prime exists in a given prime
2 let num=144244
3 found=false
4 while(num!=0){
5     digit=num%10
6     fact=0
7     for(i=2;i<digit;i++){
8         if(digit%i==0){
9             fact++
10            break
11        }
12    }
13    if (fact==0){
14        found=true
15        break
16    }
17    num=Math.floor(num/10)
18 }
19 if(found){
20     console.log(true);
21 }
22 else{
23     console.log(false);
24 }
25 }
26 }
```

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```
C:\Program Files\nodejs\node.exe .\jsprobelms\day6\primecheck.js
true
```