

[Dashboard](#) / [My courses](#) / [ID00CS34-3003](#) / [Introduction to Programming](#) / [Task 3.3 - Quiz3: Loops](#)

Started on	Wednesday, 21 September 2022, 11:12 PM
State	Finished
Completed on	Thursday, 22 September 2022, 11:01 PM
Time taken	23 hours 48 mins
Marks	4.00/5.00
Grade	8.00 out of 10.00 (80%)

Question 1

Correct

Mark 1.00 out of 1.00

Create a function `divisibility()` that takes three input parameters: `divider`, `min`, and `max` and prints out all the numbers between `min` and `max` that are divisible (modulo 0) by given `divider`. Print each number on a new line.

For example:

Test	Input	Result
<code>divisibility(3, 1, 10);</code>		3 6 9
<code>divisibility(2, 1, 10);</code>		2 4 6 8 10
<code>divisibility(5,10, 100);</code>	5 10	10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Answer: (penalty regime: 0 %)

```

1 function divisibility (divider,min,max)
2 {
3   for (i=min; i<=max;i++){
4     if((i%divider)==0){
5       console.log(i);
6     }
7   }
8 }
9 }
```

Test	Input	Expected	Got
------	-------	----------	-----

	Test	Input	Expected	Got	
✓	divisibility(3, 1, 10);		3 6 9	3 6 9	✓
✓	divisibility(2, 1, 10);		2 4 6 8 10	2 4 6 8 10	✓
✓	divisibility(5,10, 100);	5 10	10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100	10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question 2

Correct

Mark 1.00 out of 1.00

Create a function `countDigits()` that counts the number of digits in a given number and returns the number of digits.

For example:

Test	Result
<code>process.stdout.write("Number of digits: " + countDigits(10) + ".");</code>	Number of digits: 2.
<code>process.stdout.write("Number of digits: " + countDigits(12120) + ".");</code>	Number of digits: 5.
<code>process.stdout.write("Number of digits: " + countDigits(9) + ".");</code>	Number of digits: 1.
<code>process.stdout.write("Number of digits: " + countDigits(1000) + ".");</code>	Number of digits: 4.

Answer: (penalty regime: 0 %)

```

1 function countDigits (number)
2 {
3     let x= (number).toString();
4     return x.length;
5 }
6

```

	Test	Expected	Got	
✓	<code>process.stdout.write("Number of digits: " + countDigits(10) + ".");</code>	Number of digits: 2.	Number of digits: 2.	✓
✓	<code>process.stdout.write("Number of digits: " + countDigits(12120) + ".");</code>	Number of digits: 5.	Number of digits: 5.	✓
✓	<code>process.stdout.write("Number of digits: " + countDigits(9) + ".");</code>	Number of digits: 1.	Number of digits: 1.	✓
✓	<code>process.stdout.write("Number of digits: " + countDigits(1000) + ".");</code>	Number of digits: 4.	Number of digits: 4.	✓
✓	<code>process.stdout.write("Number of digits: " + countDigits(456) + ".");</code>	Number of digits: 3.	Number of digits: 3.	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question 3

Correct

Mark 1.00 out of 1.00

Write a function every5thNumber() that prints out every 5th number from the range 0-100 in a loop.

For example:

Test	Result
every5thNumber(5);	0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Answer: (penalty regime: 0 %)

Reset answer

```
1 function every5thNumber (number)
2 {
3   for (i=0; i<=100;i++){
4     if((i%5)==0){
5       console.log(i);
6     }
7   }
8 }
9
10
```

Test	Expected	Got	
------	----------	-----	--

	Test	Expected	Got	
✓	every5thNumber(5);	0	0	✓
		5	5	
		10	10	
		15	15	
		20	20	
		25	25	
		30	30	
		35	35	
		40	40	
		45	45	
		50	50	
		55	55	
		60	60	
		65	65	
		70	70	
		75	75	
		80	80	
		85	85	
		90	90	
		95	95	
		100	100	

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question 4

Incorrect

Mark 0.00 out of
1.00

Write code for a function that gets three parameters: firstWeekDay (a number, 1 meaning Monday, 2 for Tuesday etc.), month and numberOfDays and will then print out each date accompanied by the weekday name

In this task you can assume input to be of correct data type (numeric) and error handling is not necessary.

For example:

Test	Result
calendar(1, 2, 28);	Monday 1.2. Tuesday 2.2. Wednesday 3.2. Thursday 4.2. Friday 5.2. Saturday 6.2. Sunday 7.2. Monday 8.2. Tuesday 9.2. Wednesday 10.2. Thursday 11.2. Friday 12.2. Saturday 13.2. Sunday 14.2. Monday 15.2. Tuesday 16.2. Wednesday 17.2. Thursday 18.2. Friday 19.2. Saturday 20.2. Sunday 21.2. Monday 22.2. Tuesday 23.2. Wednesday 24.2. Thursday 25.2. Friday 26.2. Saturday 27.2. Sunday 28.2.

Test	Result
calendar(4, 9, 30);	Thursday 1.9. Friday 2.9. Saturday 3.9. Sunday 4.9. Monday 5.9. Tuesday 6.9. Wednesday 7.9. Thursday 8.9. Friday 9.9. Saturday 10.9. Sunday 11.9. Monday 12.9. Tuesday 13.9. Wednesday 14.9. Thursday 15.9. Friday 16.9. Saturday 17.9. Sunday 18.9. Monday 19.9. Tuesday 20.9. Wednesday 21.9. Thursday 22.9. Friday 23.9. Saturday 24.9. Sunday 25.9. Monday 26.9. Tuesday 27.9. Wednesday 28.9. Thursday 29.9. Friday 30.9.
calendar(2, 11, 30);	Tuesday 1.11. Wednesday 2.11. Thursday 3.11. Friday 4.11. Saturday 5.11. Sunday 6.11. Monday 7.11. Tuesday 8.11. Wednesday 9.11. Thursday 10.11. Friday 11.11. Saturday 12.11. Sunday 13.11. Monday 14.11. Tuesday 15.11. Wednesday 16.11. Thursday 17.11. Friday 18.11. Saturday 19.11. Sunday 20.11. Monday 21.11. Tuesday 22.11. Wednesday 23.11. Thursday 24.11. Friday 25.11. Saturday 26.11. Sunday 27.11. Monday 28.11. Tuesday 29.11. Wednesday 30.11.

Answer: (penalty regime: 0 %)

Reset answer

```
1 function printNumbers(start, end) {  
2     // Your code goes here  
3  
4 }
```


	Test	Expected	Got	
✖	calendar(1, 2, 28);	Monday 1.2. Tuesday 2.2. Wednesday 3.2. Thursday 4.2. Friday 5.2. Saturday 6.2. Sunday 7.2. Monday 8.2. Tuesday 9.2. Wednesday 10.2. Thursday 11.2. Friday 12.2. Saturday 13.2. Sunday 14.2. Monday 15.2. Tuesday 16.2. Wednesday 17.2. Thursday 18.2. Friday 19.2. Saturday 20.2. Sunday 21.2. Monday 22.2. Tuesday 23.2. Wednesday 24.2. Thursday 25.2. Friday 26.2. Saturday 27.2. Sunday 28.2.	***Run error*** __tester__.js:8 calendar(1, 2, 28); ^ ReferenceError: calendar is not defined at Object.<anonymous> (__tester__.js:8:1) at Module._compile (internal/modules/cjs/loader.js:778:30) at Object.Module._extensions..js (internal/modules/cjs/loader.js:789:10) at Module.load (internal/modules/cjs/loader.js:653:32) at tryModuleLoad (internal/modules/cjs/loader.js:593:12) at Function.Module._load (internal/modules/cjs/loader.js:585:3) at Function.Module.runMain (internal/modules/cjs/loader.js:831:12) at startup (internal/bootstrap/node.js:283:19) at bootstrapNodeJSCore (internal/bootstrap/node.js:623:3)	✖

Testing was aborted due to error.

Your code must pass all tests to earn any marks. Try again.

Show differences

Incorrect

Marks for this submission: 0.00/1.00.

Question 5

Correct

Mark 1.00 out of 1.00

Write a function `everyNthNumber(number)` that takes a number as an input parameter and then prints out every `nth` number from the range 0-100 in a loop. If parameter is zero or negative, print out "Invalid input".

For example:

Test	Result
<code>everyNthNumber(5);</code>	<pre>0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100</pre>
<code>everyNthNumber(10);</code>	<pre>0 10 20 30 40 50 60 70 80 90 100</pre>
<code>everyNthNumber(0);</code>	Invalid input

Answer: (penalty regime: 0 %)

```

1 function everyNthNumber (number)
2 {
3     if(number==0 || number<0){
4         console.log("Invalid input"); }
5     else {
6         for (i=0; i<=100;i++){
7             if((i%number)==0){
8                 console.log(i);
9             }
10        }
11    }
12 }
13 }
```

	Test	Expected	Got	
✓	everyNthNumber(5);	0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100	0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100	✓
✓	everyNthNumber(10);	0 10 20 30 40 50 60 70 80 90 100	0 10 20 30 40 50 60 70 80 90 100	✓
✓	everyNthNumber(0);	Invalid input	Invalid input	✓
✓	everyNthNumber(-1);	Invalid input	Invalid input	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

◀ Task 3.2: Loops (For)

Jump to...

Task 3.4: Feedback for Loops Section ▶