PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
Executing task: C:\Users\usnam\.platformio\penv\Scripts\platformio.exe device monitor

--- Terminal on COM4 | 9600 8-N-1
--- Available filters and text transformations: colorize, debug, default, direct, hexlify, log2file, nocontrol, printable, send_on_enter, time
--- More details at https://bit.ly/pio-monitor-filters
--- Quit: Ctrl+C | Menu: Ctrl+T | Help: Ctrl+T followed by Ctrl+H
Give me a number
64
number is not prime
Give me a number
3
number is prime
Give me a number
101
number is prime
Give me a number
45
number is not prime
Give me a number
10
number is not prime
Give me a number
7
number is prime
Give me a number
19
number is prime
Give me a number
23
number is prime
Give me a number
2
number is prime
Give me a number
```

Test results for task #1. Seems to work as expected for positive numbers

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
Executing task: C:\Users\usnam\.platformio\penv\Scripts\platformio.exe device monitor

--- Terminal on COM4 | 9600 8-N-1
--- Available filters and text transformations: colorize, debug, default, direct, hexlify, log2file, nocontrol, printable, send_on_enter, time
--- More details at https://bit.ly/pio-monitor-filters
--- Quit: Ctrl+C | Menu: Ctrl+T | Help: Ctrl+T followed by Ctrl+H
The exponent is...
4
The result: 16
The exponent is...
6
The result: 64
The exponent is...
10
The result: 1024
The exponent is...
2
The result: 4
The exponent is...
16
The result: 65536
The exponent is...
0
The result: 1
The exponent is...
1
The result: 2
The exponent is...
2
The result: 4
The exponent is...
3
The result: 8
The exponent is...
31
The result: 2147483648
The exponent is...
```

Test results for task #2. Goes up to 2^32

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
  Executing task: C:\Users\usnam\.platformio\penv\Scripts\platformio.exe device monitor

--- Terminal on COM4 | 9600 8-N-1
--- Available filters and text transformations: colorize, debug, default, direct, hexlify, log2file, nocontrol, printable, send_on_enter, time
--- More details at https://bit.ly/pio-monitor-filters
--- Quit: Ctrl+C | Menu: Ctrl+T | Help: Ctrl+T followed by Ctrl+H
The binary number is...
10
The result: 2
The binary number is...
11
The result: 3
The binary number is...
1111111
The result: 127
The binary number is...
11111
The result: 31
The binary number is...
10010
The result: 18
The binary number is...
11111111
The result: 255
The binary number is...
1001100
The result: 76
The binary number is...
```

powershell
Upload... ✓
Monitor...

Ln 40, Col 30   Spaces: 2   UTF-8   LF   {} C   PlatformIO

Test results for #3