TDDBUDDY.COM

IP Address Validator

The Kata

Create a class with one method called **ValidateIpv4Address**. The method takes a string and return true if it is valid host assignable IP address and false if not.

IPv4 addresses are 32 bits long and grouped into 4 one byte blocks separated by dotted-decimal notation. E.g. 192.168.1.1.

Most IP addresses ending in 0 represent the entire network segment and cannot be used as host addresses.
And most IP addresses ending in 255 represent a broadcast address and cannot be used as a host address.
There are exceptions, when using subnets, for the sake of this Kata any address ending in 0 or 255 is not a valid host address.

DO NOT USE REGULAR EXPRESSIONS TO SOLVE THIS KATA.

Examples

IP Address	**Result**
1.1.1.1	true
192.168.1.1	true
10.0.0.1	true
127.0.0.1	true
0.0.0.0	false
255.255.255.255	false
1.1.1.0	false
10.0.1	false