**REQUIREMENTS**

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| **ID** | **DESCRIPTION** |
| **01** | Determine whether the given number is prime |
| **02** | Determine whether the given number is Armstrong |
| **03** | Determine whether the given number is Odd or Even |
| **04** | Determine whether the given number is a Palindrome |
| **05** | Determine whether the given number is a power of 2 |
| **06** | Determine whether the given number is a Harshad number |
| **07** | Determine whether the given number is a perfect square |
| **08** | Determine whether the given number is a perfect cube |
| **09** | Determine whether the given number is an Automorphic number |
| **10** | Determine whether the given number is divisible by 3 |
| **11** | Determine whether the given number is divisible by 5 |
| **12** | Determine whether the given number is divisible by |