

# Print 15 leap years from a given year

Print 15 leap years from a given year.

Rules of the leap year:

1. If a year is divisible by 400 then its a leap year.
2. Or if a year is divisible by 4 and NOT divisible by 100 then its a leap year.

For example:

2000 was a leap year (divisible by 400)

1996 was a leap year (divisible by 4 and not divisible by 100)

2100 would not be a leap year (Not divisible by 400. Divisible by 4, but also divisible by 100)

## Input Format

Year from which 15 leap years has to be printed

## Constraints

$1 < \text{input year} < 9999$

## Output Format

List of 15 leap years separated by spaces

## Sample Input 0

```
2005
```

## Sample Output 0

```
2008 2012 2016 2020 2024 2028 2032 2036 2040 2044 2048 2052 2056 2060 2064
```

## Sample Input 1

```
2004
```

## Sample Output 1

```
2004 2008 2012 2016 2020 2024 2028 2032 2036 2040 2044 2048 2052 2056 2060
```

## Sample Input 2

2000

Sample Output 2

2000 2004 2008 2012 2016 2020 2024 2028 2032 2036 2040 2044 2048 2052 2056

Sample Input 3

1900

Sample Output 3

1904 1908 1912 1916 1920 1924 1928 1932 1936 1940 1944 1948 1952 1956 1960

Sample Input 4

2098

Sample Output 4

2104 2108 2112 2116 2120 2124 2128 2132 2136 2140 2144 2148 2152 2156 2160

Sample Input 5

1996

Sample Output 5

1996 2000 2004 2008 2012 2016 2020 2024 2028 2032 2036 2040 2044 2048 2052

Sample Input 6

700

Sample Output 6

704 708 712 716 720 724 728 732 736 740 744 748 752 756 760

Sample Input 7

800

Sample Output 7

800 804 808 812 816 820 824 828 832 836 840 844 848 852 856