Least Prime Factor

Given a number N, find the least prime factors for all numbers from 1 to N. The least prime factor of an integer X is the smallest prime number that divides it.

Note :

- 1 needs to be printed for 1.
- You need to return an array/vector/list of **size N+1** and need to use **1-based indexing** to store the answer for each number.

Example 1:

```
Input: N = 6
Output: [0, 1, 2, 3, 2, 5, 2]
Explanation: least prime factor of 1 = 1,
least prime factor of 2 = 2,
least prime factor of 3 = 3,
least prime factor of 4 = 2,
least prime factor of 5 = 5,
least prime factor of 6 = 2.
So answer is[1, 2, 3, 2, 5, 2].
```

Example 2:

```
Input: N = 4
Output: [0, 1, 2, 3, 2]
Explanation: least prime factor of 1 = 1,
least prime factor of 2 = 2,
least prime factor of 3 = 3,
least prime factor of 4 = 2.
So answer is[1, 2, 3, 2].
```

Your Task:
You don't need to read input or print anything. Complete the function **leastPrimeFactor()** which takes N as input parameter and returns a list of integers containing all the least prime factors of each number from 1 to N.

Expected Time Complexity: O(NlogN)
Expected Auxiliary Space: O(N)

Constraints:
$2 <= n <= 10^5$