Problem Link:

<https://codeforces.com/problemset/problem/1560/A>

Solution:

* **#include** <bits/stdc++.h>
* **using** **namespace** std;
* **int** main() {
* **vector<int>** v;
* **int** n = 1, t, k;
* **while**(v.size() < 1000)
* {
* **if**(n % 3 != 0 && n % 10 != 3)
* {
* v.push\_back(n);
* }
* n++;
* }
* cin >> t;
* **while**(t--)
* {
* cin >> k;
* cout << v[k - 1] << endl;
* }
* **return** 0;
* }