```cpp
#include <iostream>
#include <string>
using namespace std;

class Numbers
{
private:
    int number;
    static string lessThan20[20];
    static string tens[10];
    static string hundred;
    static string thousand;
public:
    Numbers(int x){ number = x;}
    void print();
};
string Numbers::lessThan20[20] =
             { "zero", "one", "two", "three", "four", "five",
               "six", "seven ", "eight", "nine", "ten",
               "eleven", "twelve", "thirteen", "fourteen",
               "fifteen", "sixteen", "seventeen", "eighteen",
               "nineteen",
             };

string Numbers::tens[10] =
            { " ", "ten ", "twenty ", "thirty", "forty",
              "fifty", "sixty", "seventy", "eighty", "ninety",
            };
//string Numbers::hundred = "hundred";
string Numbers::thousand = "thousand";

void Numbers::print()
{
    int remainder = number;
    if (remainder < 0 || remainder > 9999)
    {
        cout << "invalid input.";
    }
    else
    {
        cout << "The English description is:";

        if (number == 0)
        {
            cout << " zero";
        }
        int n_thousands = remainder / 1000;
        remainder %= 1000;

```

```
50          if (n_thousands > 0)
51          {
52              cout << " " << lessThan20[n_thousands];
53              cout << " " << thousand;
54          }
55
56          int n_hundreds = remainder / 100;
57          remainder %= 100;
58
59          if (n_hundreds > 0)
60          {
61              cout << " " << lessThan20[n_hundreds];
62              cout << " " << hundred;
63          }
64          if (remainder >= 20)
65          {
66              int n_tens = remainder / 10;
67              remainder %= 10;
68
69              if (n_tens > 0)
70                  cout << " " << tens[n_tens];
71          }
72
73          if (remainder > 0)
74          {
75              cout << " " << lessThan20[remainder];
76          }
77      }
78      cout << endl << endl;
79  }
80
81  int main()
82  {
83      int number;
84
85      cout << "Enter a whole dollar amount: ";
86      cin >> number;
87
88      Numbers n(number);
89      n.print();
90
91      return 0;
92  }
```