

```

1:  /*-----Check n is perfect or not-----*/
2:
3:  /* Perfect number: Whose sum of factors, excluding
4:  the num itself is equal to the num.-----*/
5:
6:  #include<iostream>
7:  using namespace std;
8:
9:  void perfectNum(int n)
10: {
11:     int i = 1;
12:     int sum = 0;
13:     while(i < n)
14:     {
15:         if(n % i == 0)
16:         {
17:             sum += i;
18:         }
19:         i++;
20:     }
21:
22:     if(sum == n)
23:         cout << n << " is a perfect number. \n";
24:     else
25:         cout << n << " is not a prefect number. \n";
26: }
27:
28: int main()
29: {
30:     int n;
31:     cout << "Enter your number: \n";
32:     cin >> n;
33:
34:     perfectNum(n);
35:
36:     return 0;
37: }

```