

```

1:  /*-----Pythagorean Triplets less than n-----*/
2:
3:  #include<iostream>
4:  #include<cmath>
5:  using namespace std;
6:
7:  void checkPtriple(int n)
8:  {
9:      int i = 1;
10:     while(i <= n)
11:     {
12:         int power = pow(i, 2);
13:         for(int j = 1; j <= power; j++)
14:         {
15:             for(int k = j; k <= power; k++)
16:             {
17:                 if(power == pow(j, 2) + pow(k, 2))
18:                 {
19:                     cout << "(" << i << "," << j << "," << k << ")" << endl;
20:                 }
21:             }
22:         }
23:         i++;
24:     }
25: }
26:
27: int main()
28: {
29:     int n;
30:     cout << "Enter your number: \n";
31:     cin >> n;
32:
33:     cout << "Possible Pythagorean triplets less than " << n << " are: \n";
34:     checkPtriple(n);
35:
36:     return 0;
37: }

```