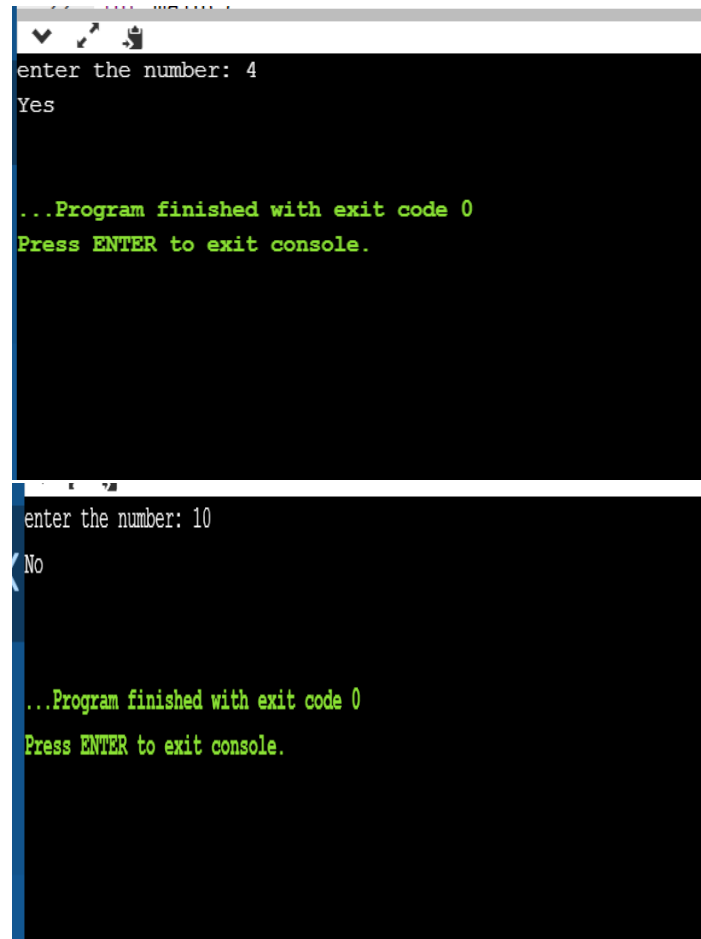# Write C++ program to Check whether a number can be represented as difference of two squares

```cpp
#include <bits/stdc++.h>
using namespace std;
bool difSquare(int n)
{

        // Checking if n % 4 = 2 or not
        if (n % 4 != 2) {
                return true;
        }

        return false;
}
int main()
{

        int n;
        std::cout<<"enter the number: ";
        std::cin>>n;
        if (difSquare(n)) {
                cout<< "Yes\n";
        }
        else {
                cout<< "No\n";
        }
        return 0;
}
```

OUTPUT:

```
enter the number: 4
Yes


...Program finished with exit code 0
Press ENTER to exit console.
```

```
enter the number: 10
No


...Program finished with exit code 0
Press ENTER to exit console.
```