

1) /* write a program wheather the given number is even or odd*/

```
#include <iostream>
using namespace std;
int main() {
int n;
    cout << "Enter an integer: ";
    cin >> n;
if ( n % 2 == 0)
    cout << n << " is even";
else
    cout << n << " is odd";
    return 0;
}
```

2) /* write a program for swapping of two numbers without using third variable*/

```
#include <iostream>
using namespace std;
int main()
{
    int a,b;
    cout<<"enter a number";
    cin>>a;
    cout<<"enter b number";
    cin>>b;
    cout<<"Before swap a= "<<a<<" b= "<<b<<endl;
    a=a*b;
    b=a/b;
    a=a/b;
    cout<<"after swapping a="<<a<<"b="<<b<<endl;
    return 0;
}
```