Question 1

```cpp
#include<iostream>

using namespace std;

int main()

{

cout<<"1"<<endl;

cout<<"2  3"<<endl;

cout<<"4  5  6"<<endl;

cout<<"7  8  9  10"<<endl;

cout<<"11 12 13 14 15"<<endl;


return 0;


}
```
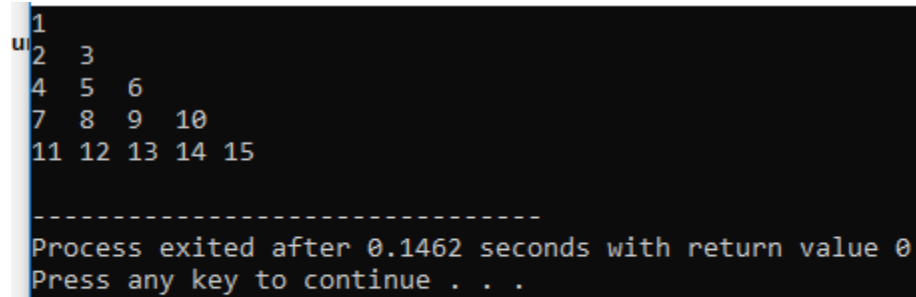
```
1
2  3
4  5  6
7  8  9  10
11 12 13 14 15

-------------------------------
Process exited after 0.1462 seconds with return value 0
Press any key to continue . . .
```

Question 2:

```cpp
#include<iostream>

using namespace std;

int main()

{
```

```cpp
int years,months,days;

cout<<"Enter days"<<endl;

cin>>days;

years=days/365;

days=days%365;

months=days/30;

days=days%30;

cout<<"years"<<years<<endl;

cout<<"months"<<months<<endl;

cout<<"days"<<days<<endl;

return 0;

}
```

```
Enter days
856
years2
months4
days6

--------------------------------
Process exited after 2.182 seconds with return value 0
Press any key to continue . . .
```

Question 3

```cpp
#include<iostream>

using namespace std;

int main()
{
        int a = 102, b = 120, temp;



        cout << "Before swapping." << endl;
    cout << "a = " << a << ", b = " << b << endl;
    temp = a;
    a = b;
    b = temp;
     cout << "\nAfter swapping." << endl;
    cout << "a = " << a << ", b = " << b << endl;


    return 0;


}
```

```
Before swapping.
a = 102, b = 120

After swapping.
a = 120, b = 102

--------------------------------
Process exited after 0.4419 seconds with return value 0
Press any key to continue . . .
```
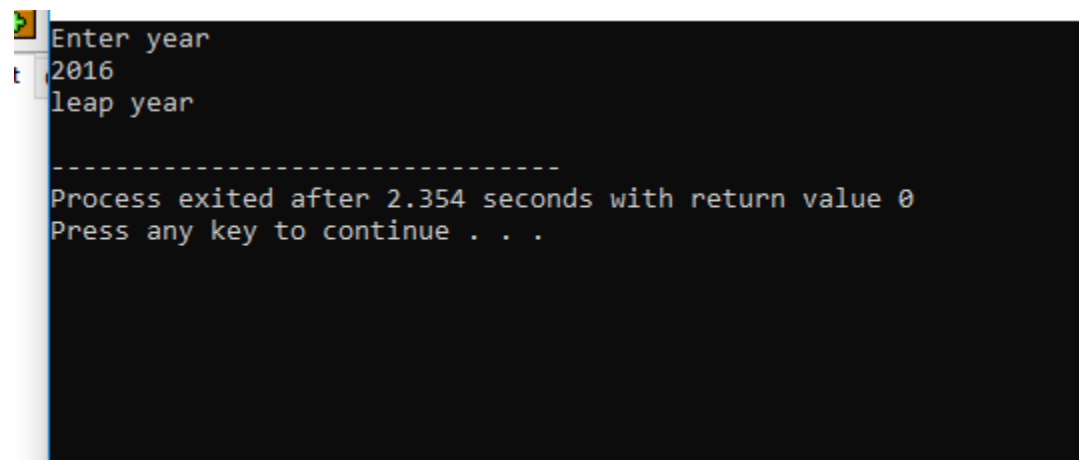
Question 4

```cpp
#include<iostream>

using namespace std;

int main()

{

        int year;

        cout<<"Enter year"<<endl;

        cin>>year;

        if(year%4==0)



    {



        cout<<"leap year"<<endl;



    }

    {

            if(year%4!=0)
```

```cpp
        cout<<"Not leap year";

}


}
```

```
Enter year
2016
leap year

---------------------------------
Process exited after 2.354 seconds with return value 0
Press any key to continue . . .
```