```cpp
#include <iostream>
#include <iomanip>
#include <cstdlib>
#include <ctime>

using namespace std;

const int Month = 12;
const int Temp = 2;

int getData(int [][Temp], int, int);
int averageHigh(int [][Temp], int, int);
int averageLow(int [][Temp], int, int);
int indexHighTemp(int [][Temp], int, int);
int indexLowTemp(int [][Temp], int, int);

int main() {
    srand(time(0));
    int Data[Month][Temp] = {};
    getData(Data, Month, Temp);
    cout << "average high temp: ";
    cout << averageHigh(Data, Month, Temp) << endl;//return & cout?
    cout << "average low temp: ";
    cout << averageLow(Data, Month, Temp) << endl;
    cout << "highest temp: ";
    cout << indexHighTemp(Data, Month, Temp) << endl;
    cout << "lowest temp: ";
    cout << indexLowTemp(Data, Month, Temp) << endl;
    return 0;
}

int getData( int temperature[][Temp], int, int){
    for ( int x=0; x < Month; x ++)
    {
        for (int y=0; y < Temp; y ++)
        {
            cout <<"please enter the temperature :";
            cin >> temperature[x][y];
        }
        if (temperature[x][0] < temperature[x][1])
            swap (temperature[x][0], temperature[x][1]);
    }
    for ( int x=0; x < Month; x ++)
    {
        for (int y=0; y < Temp; y ++)
        {
            cout <<temperature[x][y] <<" ";
        }
        cout << endl;
    }
}

int averageHigh(int temperature[][Temp], int, int){//parameter也可以不要設新的，可以用舊的，對應位子會比較好對應
    int total = 0;
    for ( int x = 0; x < Month; x ++)
    {
        for ( int y = 0; y < Temp; y ++)
        if ( y == 0)
        {
            total += temperature[x][y];
        }
    }
    int AH = total / Month;
    return AH;
}

int averageLow(int temperature[][Temp], int, int){
    int total = 0;
    for ( int x = 0; x < Month; x ++)
    {
        for ( int y = 0; y < Temp; y ++)
        if ( y == 1)
        {
            total += temperature[x][y];
        }
    }
    int AL = total / Month;
    return AL;
}

int indexHighTemp(int temperature[][Temp], int, int){//這一個最後印出來會有問題
    int IHT = temperature[0][0];
    int y = 0;
    for ( int x = 0; x < Month; x ++)
    {
        if ( IHT < temperature[x][y])
        {
            IHT = temperature[x][y];
        }
    }
    return IHT;
}

int indexLowTemp(int temperature[][Temp], int, int){//這一個最後印出來會有問題
    int ILT = temperature[0][1];
    int y = 1;
    for ( int x = 0; x < Month; x ++)
    {
        if ( ILT > temperature[x][y])
        {
            ILT = temperature[x][y];
        }
    }
    return ILT;
}
```

```
please enter the temperature :36
please enter the temperature :45
please enter the temperature :56
please enter the temperature :34
please enter the temperature :23
please enter the temperature :45
please enter the temperature :23
please enter the temperature :12
please enter the temperature :23
please enter the temperature :24
please enter the temperature :25
please enter the temperature :26
12 11
14 13
15 14
15 14
16 13
34 26
45 36
56 34
45 23
23 12
24 23
26 25
average high temp: 27
average low temp: 20
highest temp: 56
lowest temp: 11
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```