

Bài 1:

```
#include <iostream>
#include <string>
using namespace std;
```

```
int main() {
    string sentence;
    getline(cin, sentence);

    for (int i = sentence.length() - 1; i >= 0; i--) {
        cout << sentence[i];
    }
    cout << endl;

    return 0;
}
```

Bài 2:

```
#include <iostream>
#include <math.h>
using namespace std;
```

```
class Point{
public:
double x, y;
void import(){
    cin >> x >> y;
}
};

class Line { //  $y = ax + b$ 
public:
double a, b;
Line ( Point P1, Point P2){
    a=(P1.y-P2.y)/(P1.x-P2.x);
    b=(P1.y-P1.x*a);
}
};

void findIntersectionPoint (Line L1, Line L2){
    if (L1.a==L2.a&&L1.b==L2.b){
        cout<< "MANY";
    }else if(L1.a==L2.a&&L1.b!=L2.b){
        cout <<"NO";
    }else{
        double x,y;
        x=(L1.b-L2.b)/(L2.a-L1.a);
        y=(L1.a*x-L1.b);
        printf("%.2f %.2f",x,y);
    }
}
```

```
int main(){
    Point A, B, C, D;
    A.import();
    B.import();
    C.import();
    D.import();

    Line AB(A,B);
    Line CD(C,D);

    findIntersectionPoint(AB, CD);

    return 0;
}
```

Bài 3:

```
#include <iostream>
using namespace std;
```

```
int gcd(int a, int b) {
    while (b != 0) {
        int temp = b;
        b = a % b;
        a = temp;
    }
    return a;
}
```

```
int main() {
    int m, n;
    cin >> m >> n;
    cout << gcd(m, n) << endl;
    return 0;
}
```

Bài 4:

```
#include <iostream>
```

```
using namespace std;
```

```
int main() {
```

```
    int n;
```

```
    cin >> n;
```

```
    int arr[100];
```

```
    for (int i = 0; i < n; i++) {
```

```
        cin >> arr[i];
```

```
    }
```

```
    for (int i = 0; i < n - 1; i++) {
```

```
        for (int j = 0; j < n - i - 1; j++) {
```

```
            if (arr[j] > arr[j + 1]) {
```

```
                int temp = arr[j];
```

```
                arr[j] = arr[j + 1];
```

```
                arr[j + 1] = temp;
```

```
            }
```

```
        }
```

```
    }
```

```
    for (int i = 0; i < n; i++) {
```

```
        cout << arr[i] << " ";
```

```
    }
```

```
    cout << endl;
```

```
    return 0;
```

```
}
```

Bài 5|:

```
#include <iostream>
using namespace std;
```

```
int main() {
    int arr[5];

    for (int i = 0; i < 5; i++) {
        cin >> arr[i];
    }

    int minVal = arr[0];
    int maxVal = arr[0];

    for (int i = 1; i < 5; i++) {
        if (arr[i] < minVal) {
            minVal = arr[i];
        }
        if (arr[i] > maxVal) {
            maxVal = arr[i];
        }
    }

    cout << (minVal + maxVal) << endl;

    return 0;
}
```