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Template
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Problem 1: Will the code below compile?
#include <iostream>
using namespace std;
template<typename T>
T minimum(const T& a, const T& b)
{
    return (a < b) ? a : b;
int main()
    int x = minimum(3, 5);
    cout << "x is: "<< x << endl;</pre>
    double y = minimum(3.2, 5.2);
    cout << "y is: "<< y << endl;</pre>
    int z = minimum(3.2, 5.2);
    cout << "z is: "<< z << endl;</pre>
    int m = minimum(3, 4.7);
    return 0;
}
Problem 2: What is the output of the code?
#include <iostream>
using namespace std;
template<typename T>
T minimum(const T& a, const T& b)
{
    cout << "Use template minimum()"<<endl;</pre>
    return (a < b) ? a : b;
double minimum(const double& a, const double& b){
    cout << "Use double minimum()"<<endl;</pre>
    return (a < b) ? a : b;
}
int main()
{
    int x = minimum(3, 5);
    cout << "x is: "<< x << endl;</pre>
    double y = minimum(3.2, 5.2);
    cout << "y is: "<< y << endl;</pre>
    return 0;
}
```

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Problem 3: Will the code below compile?
#include <iostream>
using namespace std;
class Animal
public:
    Animal(int weight):m_weight(weight){};
    int getWeight() const {return m_weight;};
private:
    int m_weight;
};
template<typename T>
bool lessThan(const T& a, const T& b)
{
    return (a < b);
}
int main()
    Animal a(10);
    Animal b(15);
    cout << lessThan(a, b) <<endl;</pre>
    return 0;
}
Problem 4: Complete the class definition
class HoldOneValue {
public:
    void setValue(T value){______};
    T getValue();
private:
   T m_value;
};
        ____::getValue()
    return m_value;
}
```

## **STL(Standard Template Library)**

## How to print all elements of vector<int> or list<int>?

```
What's the problem with the code below?
for (vector<int>::iterator it = li.begin(); it != li.end(); it++)
{
    if(*it > 2)
        li.erase(it);
}
```