```
#1
#include "Rectangle.h"
#include <iostream>
using namespace std;
int main() {
  Rectangle rect1(5,5);
  Rectangle rect2 = rect1;
  cout << "Area of rect1: " << rect1.area() << endl;</pre>
  cout << "Area of rect2: " << rect2.area() << endl;</pre>
}
#ifndef RECTANGLE_H
#define RECTANGLE_H
class Rectangle {
  public:
     Rectangle(int a = 0, int b = 0);
     Rectangle(const Rectangle &obj);
     ~Rectangle();
     int area();
     private:
       int width;
       int height;
  };
  #endif
#include <iostream>
#include "Rectangle.h"
using namespace std;
Rectangle::Rectangle(int a, int b): width(a), height(b) {}
Rectangle::Rectangle(const Rectangle &obj) {
  width = obj.width;
  height = obj.height;
  cout << "Copy constructor called." << endl;</pre>
}
```

```
Rectangle::~Rectangle() {
  cout << "Destructor called." << endl;</pre>
}
int Rectangle::area() {
  return width * height;
 Copy constructor called.
 Area of rect1: 25
 Area of rect2: 25
 Destructor called.
 Destructor called.
#2
#include <iostream>
#include <vector>
using namespace std;
int main() {
  vector<int> numbers = {1, 2, 3, 4, 5};
  numbers.push_back(6);
  for (int num : numbers) {
    cout << num << " ";
  }
  return 0;
   1 2 3 4 5 6
```