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CMS: 461603
Sec:B
Task#01
#include <vector>
using namespace std;
int main() {
vector<int> myVector = {1, 2, 3, 4};
cout << "Original Vector: ";
for (auto it = myVector.begin(); it != myVector.end(); ++it) {
cout << *it << " ";
}
cout << std::endl;
myVector.push back(5);
if (!myVector.empty()) {
int positionToRemove = 2;
myVector.erase(myVector.begin() + positionToRemove);
}
cout << "Modified Vector: ";
for (const auto& element : myVector) {
cout << element << " ";
}
cout <<endl;
return 0;
}
Output:
  Original Vector: 1 2 3 4
Modified Vector: 1 2 4 5
Task#02
#include <iostream>
#include <cmath>
using namespace std;
class Triangle {
private:
float a, b, c;
public:
Triangle(float x, float y, float z) {
a = x;
b = y;
c = z;
}
void print area() {
float s = (a + b + c) / 2;
```

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float area = sqrt(s * (s - a) * (s - b) * (s - c));
cout << "Area of the triangle is: " << area << " square meters" << endl;
}
void print_perimeter() {
float perimeter = a + b + c;
cout << "Perimeter of the triangle is: " << perimeter << " meters" << endl;
}
};
int main() {
Triangle t(3, 4, 5);
t.print_area();
t.print_perimeter();
return 0;
Output:
                    input
   Area of the triangle is: 6 squ
  Perimeter of the triangle is:
ug. 12 meters
  ...Program finished with exit
```

Press ENTER to exit console.