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//Template Design
Template Design Pattern
#include <iostream>
using namespace std;
class AbstractClass
public:
     void templateMethod() {
           primitiveOperation1();
           primitiveOperation2();
           concreteOperation();
           hook();
     virtual ~AbstractClass() {};
     virtual void primitiveOperation1() = 0;
     virtual void primitiveOperation2() = 0;
     void concreteOperation() {
           cout << "Mandatory Operations for all ConcreteClasses" <<
endl:
     virtual void hook() {}
};
class ConcreteClassA: public AbstractClass
public:
 void primitiveOperation1() {
  cout << "primitiveOp1 A" << endl;
 void primitiveOperation2() {
  cout << "primitiveOp2 A" << endl;
};
class ConcreteClassB : public AbstractClass
public:
 void primitiveOperation1() {
```

```
cout << "primitiveOp1 B" << endl;</pre>
 void primitiveOperation2() {
  cout << "primitiveOp2 B" << endl;
 void hook() {
  cout << "hook() B" << endl;
};
int main()
 ConcreteClassA ca;
 ConcreteClassB cb;
 ca.templateMethod();
 cb.templateMethod();
 return 0;
output
primitiveOp1 A
primitiveOp2 A
Mandatory Operations for all ConcreteClasses
primitiveOp1 B
primitiveOp2 B
Mandatory Operations for all ConcreteClasses
hook() B
```