Week 9: Exam Review

Here is a potential programming problem you might receive on the exam:

Please implement a binary search tree that supports insertion of integers, and can print its representation in prefix, infix, and postfix notation.

I'll go over how a binary search tree works at the meeting. Here is a skeleton for your code:

```
class BinarySearchTree {

private:

public:
    BinarySearchTree();
    void insert( int value );
    void printPrefix();
    void printPostfix();
    void printInfix();
};
```

You may define other classes, functions, and private member variables. Efficiency does not matter.

Sample input:
insert 5
insert 7
insert 3
insert 10
insert 6
insert 4
insert 2
print prefix
print postfix
print infix

Sample output:
5 3 2 4 7 6 10
2 4 3 6 10 7 5
2 3 4 5 6 7 10