Programming Problem and Solution

Question:

What is the output of this program?

```
void main(){
    int a=4;
    int b=5;
    a++; b--;
    cout<<++a<<" "<<b--;
}
```

Output Explanation:

- a++: This is a post-increment, so a is incremented after its value is used. Thus, a becomes 5.
- b--: This is a post-decrement, so b is decremented after its value is used. Thus, b becomes 4.
- ++a: This is a pre-increment, so a is incremented before being used. Thus, a becomes 6.
- b--: This is a post-decrement, so b is printed as 4, and then decremented to 3.

Expected Output:

6 4