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//File: HW03.cpp
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//Compiler used: MS Visual Studio 2017
//Purposes: Evaluate if an integer is divisible by 5 and/or 6
#include <iostream>
using namespace std;
int main()
{
    int intVal = 0;
    bool div5 = false;
    bool div6 = false;

    cout << "Enter an integer: ";
    cin >> intVal;

    div5 = (intVal % 5 == 0);
    div6 = (intVal % 6 == 0);
    printf("Is %i divisible by 5 and 6? %s\n", intVal, (div5 && div6)? "true": "false");

    printf("Is %i divisible by 5 or 6? %s\n", intVal, (div5 || div6)? "true": "false");
    printf("Is %i divisible by 5 or 6, but not both? %s\n", intVal, (div5 !=
div6)? "true": "false");

    return 0;
}

```

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Enter an integer: 111
Is 111 divisible by 5 and 6? false
Is 111 divisible by 5 or 6? false
Is 111 divisible by 5 or 6, but not both? false

Enter an integer: 30
Is 30 divisible by 5 and 6? true
Is 30 divisible by 5 or 6? true
Is 30 divisible by 5 or 6, but not both? false

Enter an integer: 18
Is 18 divisible by 5 and 6? false
Is 18 divisible by 5 or 6? true
Is 18 divisible by 5 or 6, but not both? true

Enter an integer: 15
Is 15 divisible by 5 and 6? false
Is 15 divisible by 5 or 6? true
Is 15 divisible by 5 or 6, but not both? true

```