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**Homework4\_2**

***Code for (a) :***

**#include<iostream>**

**using namespace std;**

**int main(){**

**int num;**

**cout << "Please input the integer : ";**

**cin >> num;**

**if(num % 2 == 0){**

**cout << "the number is even" << endl;**

**}else{**

**cout << "the number is odd" << endl;**

**}**

**return 0;**

**}**

***Code for (b) :***

**#include<iostream>**

**using namespace std;**

**int main(){**

**int num;**

**int divisor;**

**cout << "Please input the integer : ";**

**cin >> num;**

**cout << "Please input the divisor : ";**

**cin >> divisor;**

**// if(num % 2 == 0){**

**// cout << "the number is even" << endl;**

**// }else{**

**// cout << "the number is odd" << endl;**

**// }**

**if(num % divisor == 0){**

**cout << "The integer can be evenly divided by the divisor!" << endl;**

**}else{**

**cout << "The integer can not be evenly divided by the divisor!" << endl;**

**}**

**return 0;**

**}**

**//This code is created by Hanlin Cai**

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