**CSC141, Computer Science I, Project 5 assignment**

Develop the following methods within Method.java. Submit your best version of code to support these sample calls in main. Ensure that there is no keyboard input or display inside any of these methods. Your program should not incur any exception or unexpected interrupt during the execution. Later submission is not accepted.

import java.util.\*;  
  
public class Method{

public static void main(String args[]){  
System.out.println("result of isEven(3):"+isEven(3));  
System.out.println("result of isPrime(5):"+isPrime(5));  
int [] a ={1,2,3};  
int [] b ={};  
int [] c ={1};  
int [] d = null;  
System.out.println(Arrays.toString(md(a)));  
System.out.println(Arrays.toString(md(b)));  
System.out.println(Arrays.toString(md(c)));  
System.out.println(Arrays.toString(md(d)));  
} // end of main  
// develop your (3) methods here:

…

}  
// end of class

1. (10) Write a method “isEven” that takes an integer X as an argument, and returns true if X is even, and false if X is odd.
2. (10) Write a method “isPrime” that takes an integer N as an argument, and returns true if N is prime, and false otherwise.
3. (40) Write a method “md” that reads an int array W as argument. The method will return an array so that its last element in array W will be removed at its tail from the callers’ view. For instance,

int [] a = {1, 2, 3};  
 int [] b = {};

int [] c = {1};

int [] d = null;  
 System.out.println(Arrays.toString(md(a)));  
 System.out.println(Arrays.toString(md(b)));   
 System.out.println(Arrays.toString(md(c)));   
 System.out.println(Arrays.toString(md(d)));

will print out

[1, 2]

null

null

null