P9: Write a method with following method header. public static int gcd(int num1, int num2)

Write a program that prompts the user to enter two integers and compute the gcd of two integers.

```
import java.util.Scanner;
public class Pract9 {
	public static void main(String[] args) {
		Scanner input = new Scanner(System.in);
		System.out.print("Please, Enter the number1 : ");
		int a = input.nextInt();
		System.out.print("Please, Enter the number2 : ");
		int b = input.nextInt();
		int result = gcd(a,b);
		System.out.println("GCD is : "+result);
	}

	public static int gcd(int a,int b) {
		int var=1;
		for(int i=2;(i<=a && i<=b);) {
			if((a%i)==0 && (b%i)==0)
			{
				var = var*i;
				a /= i;
				b /= i;
			}
			else if((a%i)==0)
				a /=i;
			else if((b%i)==0)
				b /=i;
			else
```

```
                    i++;
            }
            return var;
        }

}
```

P10: Write a test program that prompts the user to enter ten numbers, invoke a method to reverse the numbers, display the numbers

```
import java.util.Scanner;


public class Pract10 {
        public static void main(String[] args) {
                int[] list = new int[10];
                Scanner input = new Scanner(System.in);
                System.out.print("Please enter 10 Numbers:");
                for (int i = 0; i < list.length; i++)
                        list[i]=input.nextInt();
                reverse(list);
                for (int i = 0; i < list.length; i++)
                        System.out.print(list[i] + " ");
        }
        public static void reverse(int[] list) {
                for (int i = 0; i < list.length/2; i++){
                        list[i] =list[i]+list[list.length-1-i];
                        list[list.length-1-i]=list[i]-list[list.length-1-i];
                        list[i]=list[i]-list[list.length-1-i];
                }
        }
}
```