**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];

}

}

}