Program :

```
package LogicalProg;

public class SwapTwoNumbers {

	public static void main(String[] args) {

		int a = 11,b = 22;
		System.out.println("Orgional A = " + a + " B = " + b);
		int temp = a;
		a = b;
		b = temp;
		System.out.println("After Swapping A = " + a + " B = " + b);
	}
}
```

Program :

```
package LogicalProg;

public class LargestofThreeNum {

	public static void main(String[] args) {

		int a = 41, b = 42, c = 33;
		if(a>b && a>c)     //false(0) &&  false(0)
			System.out.println("Largest Number = " + a);
		if(b>a && b>c)     //1  &&  0 = 0
			System.out.println("Largest Number = " + b);
		else //if(c>a && c>b)
			System.out.println("Largest Number = " + c);
	}
}
//A   B   &&    ||
//0   0    0     0
//0   1    0     1
//1   0    0     1
//1   1    1     1
```

Program :

```
package LogicalProg;

public class SortThreeNum {

	public static void main(String[] args) {

		int a = 40,b = 21,c = 33;
		System.out.println(a + "  " + b + "  " + c);
```

```
		if(a>b) {
			int temp = a;
			a = b;
			b = temp;    //40 21 33 = 21 40 33
			System.out.println("First Interation = " + a + "  " + b + "  " + c);
		}
		if(b>c) {
			int temp = b;
			b = c;
			c = temp;    //21 40 33 = 21 33 40
			System.out.println("Second Interation = " + a + "  " + b + "  " + c);
		}
		if(a>b) {
			int temp = a;
			a = b;
			b = temp;
		}
		System.out.println(a + "  " + b + "  " + c);
	}
}
```

Program :

```
package LogicalProg;

import java.util.Scanner;

public class EvenOddProg {

	public static void main(String[] args) {

		int num;
		System.out.println("Enter the number");
		Scanner s = new Scanner(System.in);
		num = s.nextInt();
		System.out.println("Number = " + num);

		if(num%2 == 0)
			System.out.println("Even Number"); //2 44  68 90 10000
		else
			System.out.println("Odd Number");  //1 5  77 99 999997

		// 32/2 = 16.0 -> int 16  + 0
	}
}
```

Program :

```
package LogicalProg;

public class FiboSeriesProg {

	public static void main(String[] args) {
		//0 1 1 2 3 5 8
		int num1 = 0, num2 = 1;
		System.out.print(num1 + "  " + num2); //0 1
		for(int i=0;i<10;i++)
		{
			int sum = num1 + num2;  //2
			System.out.print("  "+ sum);  //1
			num1 = num2; //1
			num2 = sum;  //2
		}
	}
}
```