

1. Perhatikan Potongan Kode Berikut

```
public class Soal1{
    public static void main(String []args){
        Scanner sc = new Scanner(System.in);
        boolean finish = false;
        String input1 = "";
        String input2 = "";
        int a = Integer.MIN_VALUE;
        int b = Integer.MIN_VALUE;
        while(!finish){
            if(a == Integer.MIN_VALUE){
                try{
                    System.out.println("Insert your first number");
                    input1 = sc.nextLine();
                    a = Integer.parseInt(input1);
                }
                catch(NumberFormatException e){
                    System.out.println("This is not an integer, please input the correct integer");
                }
                catch(Exception f){
                    System.out.println("There's something wrong, please try again");
                }
            }
            if(b == Integer.MIN_VALUE && a != Integer.MIN_VALUE){
                try{
                    System.out.println("Insert your second number");
                    input2 = sc.nextLine();
                    b = Integer.parseInt(input2);
                }
                catch(NumberFormatException e){
                    System.out.println("This is not an integer, please input the correct integer");
                }
                catch(Exception f){
                    System.out.println("There's something wrong, please try again");
                }
            }
            else if (a != Integer.MIN_VALUE && b != Integer.MIN_VALUE){
                finish = true;
                //System.out.println("A is "+a+" B is "+b);
            }
        }
        //IMPLEMENT SWAPPING INTEGER A AND INTEGER B HERE
        System.out.println("First Number is "+a);
        System.out.println("Second Number is "+b);
    }
}
```

Hasil Dari Pertukaran Nilai Integer Pertama dan Nilai Integer Kedua adalah sebagai berikut

```
Insert your first number
12
Insert your second number
24
```

```
First Number is 24
Second Number is 12
```

```
Insert your first number
13
Insert your second number
9
```

```
First Number is 9
Second Number is 13
```

Implementasikan method pertukaran nilai pertama dan kedua tersebut **tanpa menggunakan variable temporary**. (Hint : Gunakan operasi aritmatika kali, bagi, tambah, kurang)

2. Buatlah potongan kode yang bisa mengecek string **Palindrom** (baca <https://en.wikipedia.org/wiki/Palindrome> untuk penjelas lebih lanjut dari palindrom). Berikut adalah contoh output program :

```
Insert Your String :
abba

This String is Palindrom

Insert Your String :
ababa

This String is Palindrom

Insert Your String :
abaa

This String is not Palindrom

Insert Your String :
ababb

This String is not Palindrom
```

Gunakan **Iteration** dan **Decision** untuk mempermudah proses implementasi