```
import java.util.Scanner;

public class Example2 {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        System.out.print("Enter an integer between 1 and 100: ");
        int temp = scan.nextInt();
        int a = temp;
        System.out.print("Enter another number: ");
        temp = scan.nextInt();
        int b = temp;
    }
}
```

```
// print the second # is better when
// a > b^2, otherwise print the first number is better
if ( a > b * b ) {
    System.out.println("the second is better");
} else {

}
```

```
public class Example1 {

    public static void main(String[] args) {
        int temp = 1;// declaring the variable temp as an int
        System.out.println(temp + "");
    }

}
```

Writing to console

```
System.out.println("Example1");
System.out.println((1+2*3-4)/10)+"a");
}
```

ex

"he" + "llo" → "hello"

5 + "10" → "510"

int string string

"5"

string

Arithmetic Operators

x / + - %

float int float

5.1 * 1 → 5.1

5 / 2 → 2

int int int

5 % 2 → 1