Add Last Digits

ex int a = 2347 ;

int b = 32;

ans = 7 + 2 = 9

Ex:-

(int) $= \frac{1234}{10} = 123$

(int) 1234 % 10

$$
\begin{array}{r}
123 \\
10 \overline{)\,1234} \\
1230 \\
\hline
4
\end{array}
$$

rem

Note:-

whenever we take remainder of a no. with 10, then we will get the last digit as answer.

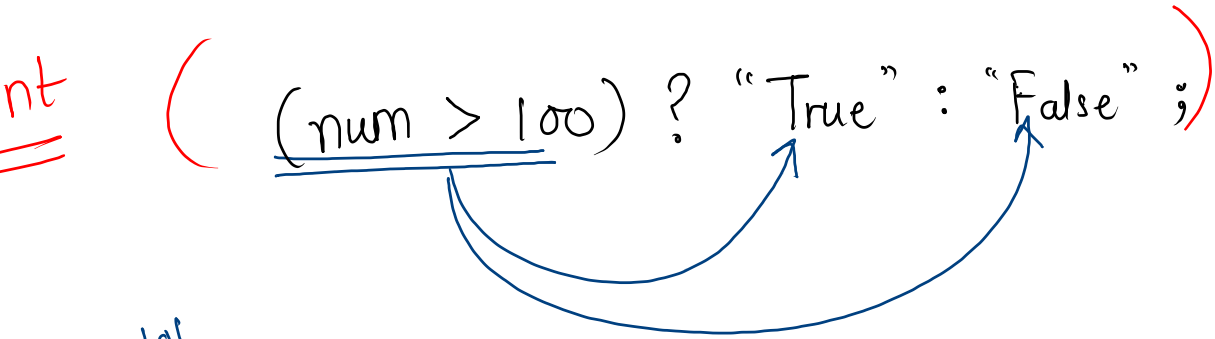
code

```java
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int num1 = scn.nextInt();
    int num2 = scn.nextInt();

    int digit1 = num1 % 10;
    int digit2 = num2 % 10;

    System.out.println(digit1 + digit2);
}
```

Greater than 100 or not

ternary operator

print ((num > 100) ? "True" : "False" ;



num = 101

code

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int num = scn.nextInt(); → 105

    System.out.println((num > 100) ? "True" : "False");
}
```

colon

xyzw

```
int x = 12
int y = 2
int z = 6
int w = 4
```

exp:-

```
String ans = ((x * y) == (z * w)) ? "True" : "False";
```

code

```java
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int x = scn.nextInt();
    int y = scn.nextInt();
    int z = scn.nextInt();
    int w = scn.nextInt();

    String ans = ((x * y) == (z * w)) ? "True" : "False";
    System.out.println(ans);
}
```

Even or not

n = 8 True

n = 7 False

exp:- `(n % 2) == 0` Even

Note:- If we take modulas of a num with 2 then we can identify if it is even or odd.

Constraints :-

↳ means range of your input

$$-100 <= x <= 100$$

Code

```java
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();

    String ans = (n % 2 == 0) ? "True" : "False";
    System.out.println(ans);
}
```

Sum is less than 150 or not.

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int x = scn.nextInt();
    int y = scn.nextInt();
    int z = scn.nextInt();

    int sum = (x + y + z);
    String ans = (sum < 150) ? "True" : "False";
    System.out.println(ans);
}
```

⇒ Logical operator (AND, OR, NOT)

AND if anyone is false, then ans is false

&&

a	b	c
T	T	T
T	F	F
F	T	F
F	F	F

OR if anyone is true, then ans is true

||

a	b	c
T	T	T
T	F	T
F	T	T
F	F	F

NOT

!

a	c
T	F
F	T

practice

```
boolean ans = (3 > 2) && (4 > 3); // true
boolean ans = (40 > 3) && (40 < 5); // false
boolean ans = (40 >= 40) || (50 >= (2*3)); // true
```