ting your day off

Operators

Arithmetic operators

Addition

Sichman Process Subtraction

Must product Multiplication

/ - quotient division

./. . To remained Modulus

11 S (python) Exponentiation

Floor division

(Boolean output) Relational operators

Equal to = =

] = Not Equal to

Greates than

< less than

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LINE

1 40 5 5 5 5 5 5 1 4 1 A

logical operator true 44 tour AND 44 true 11 false OR 11 NOT trece = false John = tone AND Bitwise operator 0 0 =) AND 0 Eg: 5 & 2 101 4 010 000=)(0 OR 0 =) OR 0 0 101 / 010 421 8 XOR =) XOR 101 1010 => \$ \$ \$ \$

Not , => Left shift << => Right shift >> STATE MARK Eg: left shift. 5 << 2 0-1 10100 =) (20) Eg: Right Shift 00

THE SIGN TO

Assignment operated Assign = Add & assign + = Sub & assign -= Mul & assign + = Div & assign /= Mod & assign /= Mod & assign /o=

```
Operators.java X
```



```
Day 13 > ⑤ Operators.java > % Operators > ۞ allOperators()
```

```
public static void relationalOperators(){
   int countofMangos = 10;
   int countofApples = 3;
    System.out.println(x: "Relational Operators");
     //Equal to
     System.out.println("Equal to :" + countofMangos + "==" + countofApples + "=>"
     +(countofMangos == countofApples));
     System.out.println("Not Equal to :" + countofMangos + "!=" + countofApples + "=>"
    +(countofMangos != countofApples));
     System.out.println("Greater than :" + countofMangos + ">" + countofApples + "->"
    +(countofMangos > countofApples));
     //Less than
     System.out.println("Less Than :" + countofMangos + "<" + countofApples + "->"
     +(countofMangos < countofApples));
     //Greater Than or equal to
    System.out.println("Greater than equal to :" + countofMangos + ">=" + countofApples + "=>" + (countofMangos >= countofApples));
    //Less than or equal to
System.out.println("Less than equal to :" + countofMangos + "<=" + countofApples + " => "
+(countofMangos <- countofApples));</pre>
     System.out.println();
```

```
Operators.java X
```

```
Day 13 > 👙 Operators.java > ધ Operators > 😚 allOperators()
```

```
public class Operators {

public static void logicalOperator(){
    boolean isRoady = true;
    boolean isGood = false;

System.out.println(x: "Logical operators :");

//AND

System.out.println(" Logical AND :" + isReady + " AND " + isGood + " => " +(isReady && isGood));

//OR

System.out.println("Logical OR :" + isReady + " OR " + isGood + " -> " +(isReady || isGood));

//NOT

System.out.println("Logical NOT :" + "!" + isReady + " -> " +(! isReady));

System.out.println("Logical NOT :" + "!" + isGood + " -> " +(! isReady));

System.out.println("Logical NOT :" + "!" + isGood + " -> " +(! isGood));

System.out.println("Logical NOT :" + "!" + isGood + " -> " +(! isGood));

System.out.println("Logical NOT :" + "!" + isGood + " -> " +(! isGood));

System.out.println("Logical NOT :" + "!" + isGood + " -> " +(! isGood));

System.out.println("Logical NOT :" + "!" + isGood + " -> " +(! isGood));

System.out.println();

System.out.p
```

∮ Operators.java ×

```
Day 13 > 🔮 Operators.java > ધ Operators > 🛇 allOperators()
```

```
public class Operators {

public static void bitwiseOperator(){
    int redTeamScore - 5;
    int whiteTeamScore - 2;

    System.out.println(x:"Bitwise Operator :");

    //Bitwise AND " & "

    System.out.println("Bitwise & :" + redTeamScore + " & " + whiteTeamScore + " => " + (redTeamScore & whiteTeamScore));

    //Bitwise OR " | "

    System.out.println("Bitwise | :" + redTeamScore + " | " + whiteTeamScore + " -> " + (redTeamScore | whiteTeamScore));

    //Bitwise XOR " ^ "

    System.out.println("Bitwise ^ :" + redTeamScore + " ^ " + whiteTeamScore + " -> " + (redTeamScore ^ whiteTeamScore));

    //NOT " ~ "

    System.out.println("Bitwise NOT ~ :" + " ~ " + redTeamScore + (~redTeamScore));

    //Left shift " << "
        System.out.println("Bitwise < :" + redTeamScore + " << " + whiteTeamScore + " -> " + (redTeamScore << whiteTeamScore));

    //Right shift
    System.out.println("Bitwise >> :" + redTeamScore + " >> " + whiteTeamScore + " => " + (redTeamScore >> whiteTeamScore));

    System.out.println("Bitwise >> :" + redTeamScore + " >> " + whiteTeamScore + " => " + (redTeamScore >> whiteTeamScore));

    System.out.println("Bitwise >> :" + redTeamScore + " >> " + whiteTeamScore + " => " + (redTeamScore >> whiteTeamScore));

    System.out.println();
}
```

Operators.java ×

```
Day 13 > ⑤ Operators.java > % Operators > ۞ allOperators()

public class Operators {
```

```
1
115
                   public static void assignmentOperator(){
   int totalScore = 5;
116
117
118
119
                        System.out.println(x:"Assignment Operators");
                        //Assign " - "
121
122
                        int assign = totalScore;
System.out.println("Assign :" +assign);
124
125
126
                        //Add and assign
totalScore += 2;
                        {\sf System.out.println("Add and assign :" + totalScore);}
127
128
                        //Subtract and assign
totalScore -= 2;
System.out.println("Subtract and assign :" +totalScore);
130
133
134
                        //Multiple and assign totalScore *- 2;
                        System.out.println("Multiple and assign :" +totalScore);
136
137
                        //Divide and assign
totalScore /= 2;
                        {\bf System.out.println("Divide \ and \ assign \ :" \ +totalScore);}
139
140
141
142
                        //Modulus and assign
totalScore %= 2;
                        System.out.println("Modulus and assign :" +totalScore);
144
145
                        System.out.println();
```

∨ 6 ··· | [] ×

Code

[Done] exited with code-0 in 2.173 seconds