Exercise 67: Indicate the results to the screen

Requirements:

Let i, j, k be numbers and the command below:

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Logical thinking in programming

```
if i < j:
    if j < k:
        i = j
    else:
        j = k

else:
    if j > k:
        j = i
    else:
        i = k

print("i =", i, " j =", j, " k =", k)
```

Indicate the output to the screen if the above 3 variables have the following values in sequence:

(a)
$$i = 3, j = 5, \text{ and } k = 7$$
 5 5 7
(b) $i = 3, j = 7, \text{ and } k = 5$ 3 5 5
(c) $i = 5, j = 3, \text{ and } k = 7$ 7 3 7
(d) $i = 5, j = 7, \text{ and } k = 3$ 5 3 3
(e) $i = 7, j = 3, \text{ and } k = 5$ 5 3 5
(f) $i = 7, j = 5, \text{ and } k = 3$ 7 7 3

Requirements:

Given x, y, z = 3, 5, 7. Give the result of Boolean Expression

(a) x == 3

- (b) $x \le y$
- (c) $x \ge y$
- (d) $x \le y$
- (e) x != y 2
- (f) x < 10
- (g) $x \ge 0$ and x < 10
- (h) x < 0 and x < 10
- (i) $x \ge 0$ and x < 2
- (j) x < 0 or x < 10
- (k) x > 0 or x < 10
- (1) x < 0 or x > 10

Instructions:

Students review the operators and expressions to implement the Boolean expressions above.