**Control Statements Nested In Loops:**

**Solution 1.**

Output- y which is 20.

**Solution 2.**

**i)** Here each statement will add a new line.

Hence we will have a blank line,

**ii)** There would be no effect of the following statement.

**Solution 3.**

There is no limit to the depth of nested if statements.But using it sparingly can cause difficulty to follow the logic.EVALUATE is always a better choice.

**Solution 4.**

The scope of variable is restricted to the compound statement; it does not exist after the end of the compound statement.Similarly here large and small variables are both available in if and else but not in the main method.