

Example:
mutually
exclusive
alternatives

only 1
branch
will be
taken

```
double score;
String grade; // "A", "B"

if (score >= 90)
    grade = "A";
else if (score >= 80)
    grade = "B";
else if (score >= 70)
    grade = "C";
else if (score >= 60)
    grade = "D";
else
    grade = "F";
```

Nested-if Example

likes writing don't like writing

likes math
doesn't like math.

Econ	Calc
Eng	Psych

```
boolean likesWriting;
boolean likesMath;
String className;
if (likesWriting)
    if (likesMath)
        className = "Econ";
    else // !likesMath
        className = "Eng";
else // !likesWriting
    if (likesMath)
        className = "Calc";
    else // !likesMath
        className = "Psych";
```

bluej.org

select combined
installer

- JDK (oracle)
- BlueJ (bluej)

install -
open BlueJ & test MyMath