

var **x** **=** **2**

Expression

statement



X

+

=

3

```
if (temperature > 20) "hot" else "cold"
```

```
if (temperature > 20) println("hot")
```



```
while(temperature > 25) {  
    runCoolingCycle()  
}
```

```
when (grade) {  
  5 -> "sufficient"  
  in (6..7) -> "satisfactory"  
  8 -> "good"  
  9 -> "very good"  
  10 -> "excellent"  
  else -> "failed"  
}
```

temperature + 5

```
try { "42".toInt() }  
catch (e: NumberFormatException) { 0 }
```

Statement

Expression

```
if (temperature > 20) "hot" else "cold"
when (grade) {
    5 -> "sufficient"
    in (6..7) -> "satisfactory"
    8 -> "good"
    9 -> "very good"
    10 -> "excellent"
    else -> "failed"
}

temperature + 5

try { "42".toInt() }
catch (e: NumberFormatException) { 0 }
```