

Pairs

- Pairs are similar to tuples in Haskell.
- They are Objects.
- You can extract the contents of a pair using properties `.first` and `.second`

```
fun distanceBetween(  
    a: Pair<Int, Int>,  
    b: Pair<Int, Int>,  
): Double {  
    val dx = b.first - a.first  
    val dy = b.second - a.second  
    return sqrt((dx * dx + dy * dy).toDouble())  
}
```

Creating Pairs:

```
val a = Pair(2, 3)  
val b = Pair(9, 11)
```

Accessing Elements

Use destructuring.

```
val pair: Pair<Int, Int> = Pair(6, 7)  
val (a, b) = pair  
println(a)  
println(b)
```