





































































Lambda expressions

Has that return a function









W

















































81







































V















$:(Int) \rightarrow Int$

















W

























```
fun twice(f:(Int)->Int):(Int)->Int={f(f(i))}
```

val quartic = twice { it * it }

val res = quadratic(3)

```
val res = twice{it*it}.invoke(3)
```


Lambda expressions

HOFs that return a function

```
fun twice(f: (Int) -> Int): (Int) -> Int = { f(f(it)) }
```

`: (Int) → Int`

```
val quartic = twice { it * it }  
val res = quartic(3) 81
```

single liner →

```
val res = twice { it * it }.invoke(3)  
val res = twice { it * it }(3)
```

Function references

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