Kotlin For Android [4.4: Kotlin Type Aliases]

Type aliases

```
Type aliases provide alternative names for existing types.
If the type name is too long you can introduce a different
shorter name and use the new one instead.
It's useful to shorten long generic types.
For instance, it's often tempting to shrink collection types:
     typealias NodeSet = Set<Network.Node>
     typealias FileTable<K> = MutableMap<K, MutableList<File>>
You can provide different aliases for function types:
     typealias MyHandler = (Int, String, Any) -> Unit
     typealias Predicate<T> = (T) -> Boolean
You can have new names for inner and nested classes:
     class A {
         inner class Inner
     class B {
         inner class Inner
     typealias AInner = A.Inner
     typealias BInner = B.Inner
Type aliases do not introduce new types.
They are equivalent to the corresponding underlying types.
When you add typealias Predicate<T> and use Predicate<Int> in
your code, the Kotlin compiler always expands it to (Int) ->
Boolean.
Thus you can pass a variable of your type whenever a general
function type is required and vice versa:
     typealias Predicate<T> = (T) -> Boolean
     fun foo(p: Predicate<Int>) = p(42)
```

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```
fun main() {
    val f: (Int) -> Boolean = { it > 0 }
    println(foo(f)) // prints "true"

    val p: Predicate<Int> = { it > 0 }
    println(listOf(1, -2).filter(p)) // prints "[1]"
}
```