

Type Conversion

Type conversion is a process in which one data type variable is converted into another data type.

In Kotlin, implicit conversion of smaller data type into larger data type is not supported (as it supports in java).

For example Int cannot be assigned into Long or Double.

Example

In Java

```
int value1 = 10;  
long value2 = value1; //Valid code
```

In Kotlin

```
var value1 = 10  
val value2: Long = value1 //Compile error,  
type mismatch
```

To convert a numeric data type to another type, you must use one of the following functions:-

The list of helper functions used for numeric conversion in Kotlin is given below:

(a) toByte()

toShort()
toInt()
toLong()
toFloat()
toDouble()
toChar()
toByte(), toShort(), toInt(), toLong(), toFloat(),
toDouble() or toChar():

Example

```
val x: Int = 5  
val y: Long = x.toLong()  
println(y)
```