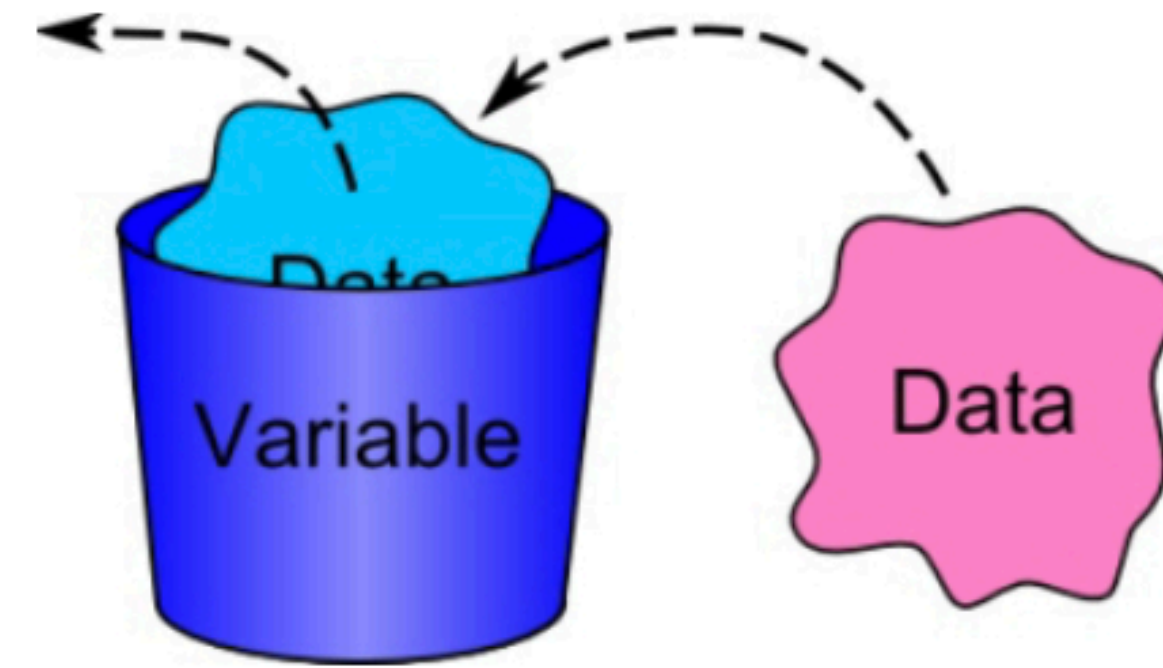


# Kotlin Cheat Sheet: Variables & Expressions

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## J2K Variables & Expressions



Snippets of the same code  
in Java & Kotlin

*Java*

```
System.out.print("Amit Shekhar");  
System.out.println("Amit Shekhar");
```

*Kotlin*

```
print("Amit Shekhar")  
println("Amit Shekhar")
```

*Java*

```
System.out.print("Amit Shekhar");  
System.out.println("Amit Shekhar");
```

*Kotlin*

```
print("Amit Shekhar")  
println("Amit Shekhar")
```

*Java*

```
String name = "Amit Shekhar";  
final String name = "Amit Shekhar";
```

*Kotlin*

```
var name = "Amit Shekhar"  
val name = "Amit Shekhar"
```

*Java*

```
String name = "Amit Shekhar";  
final String name = "Amit Shekhar";
```

*Kotlin*

```
var name = "Amit Shekhar"  
val name = "Amit Shekhar"
```

*Java*

```
String otherName;  
otherName = null;
```



*Kotlin*

```
var otherName : String?  
otherName = null
```

*Java*

```
String otherName;  
otherName = null;
```

*Kotlin*

```
var otherName : String?  
otherName = null
```

*Java*

```
String text = "First Line\n" +  
              "Second Line\n" +  
              "Third Line";
```

*Kotlin*

```
val text = """  
    |First Line  
    |Second Line  
    |Third Line  
    """.trimMargin()
```

*Java*

```
String text = "First Line\n" +  
              "Second Line\n" +  
              "Third Line";
```

*Kotlin*

```
val text = """  
    |First Line  
    |Second Line  
    |Third Line  
    """.trimMargin()
```

*Java*

```
final int andResult = a & b;  
final int orResult  = a | b;  
final int xorResult = a ^ b;  
final int rightShift = a >> 2;  
final int leftShift  = a << 2;
```

## *Kotlin*

```
val andResult    = a and b  
val orResult     = a or b  
val xorResult    = a xor b  
val rightShift  = a shr 2  
val leftShift   = a shl 2
```

## *Java*

```
final int andResult    = a & b;  
final int orResult    = a | b;  
final int xorResult   = a ^ b;  
final int rightShift  = a >> 2;  
final int leftShift   = a << 2;
```

## *Kotlin*

```
val andResult    = a and b  
val orResult     = a or b  
val xorResult    = a xor b  
val rightShift  = a shr 2  
val leftShift   = a shl 2
```



*Java*

```
String[] splits = "param=car".split("=");  
String param = splits[0];  
String value = splits[1];
```

*Kotlin*

```
val (param, value) = "param=car".split("=")
```

*Java*

```
String[] splits = "param=car".split("=");  
String param = splits[0];  
String value = splits[1];
```

*Kotlin*

```
val (param, value) = "param=car".split("=")
```