LOODS

while loop

```
while (condition) {
   /*..*/
}
```

do-while loop

```
do {
    /*..*/
} while (condition)
```

```
val list = listOf("a", "b", "c")
for (s in list) {
    print(s)
}
```

```
val list = listOf("a", "b", "c")
for (s: String in list) {
    print(s)
}
```

```
val map = map0f(1 to "one",
                2 to "two",
                3 to "three")
for ((key, value) in map) {
    println("$key = $value")
                      1 = one
                      2 = two
                      3 = three
```

```
val list = listOf("a", "b", "c")
for ((index, element) in list.withIndex()) {
    println("$index: $element")
}

0: a
1: b
2: c
```

```
including upper bound
for (i in 1..9) {
    print(i)
                            123456789
          excluding upper bound
for (i in 1 until 10) {
   print(i)
                            123456789
```

```
for (i in 9 downTo 1 step 2) {
    print(i)
}
```

Iterating over String

```
for (ch in "abc") {
    print(ch + 1)
}
```



What will be printed?

```
for (ch in "abc") {
    print(ch + 1)
}
```





Iterating over String

```
for (ch in "abc") {
    print(ch + 1)
}
```

bcd



Which one is the right way to rewrite the following Java code into Kotlin:

```
for (char c = '0'; c < '9'; c++) {
    System.out.print(c);
}</pre>
```

```
    for (c in '0' to '9') { println(c) }
    for (c in '0'...'9') { println(c) }
    for (c in '0' until '9') { println(c) }
```





Which one is the right way to rewrite the following Java code into Kotlin:

```
for (char c = '0'; c < '9'; c++) {
    System.out.print(c);
}</pre>
```

```
1. for (c in '0' to '9') { print(c) }
2. for (c in '0'..'9') { print(c) }
```

```
3. for (c in '0' until '9') { print(c) }
```