```
8. String Manipulation
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Python:
name = 'Alice'
print(name.upper())
Java:
String name = "Alice";
System.out.println(name.toUpperCase());
9. List Comprehension vs Loop
Python:
squares = [x*x for x in range(5)]
Java:
int[] squares = new int[5];
for (int i = 0; i < 5; i++) {
    squares[i] = i * i;
}
10. Dictionary vs HashMap
Python:
ages = {'Alice': 25, 'Bob': 30}
print(ages['Alice'])
Java:
Map<String, Integer> ages = new HashMap<>();
ages.put("Alice", 25);
ages.put("Bob", 30);
System.out.println(ages.get("Alice"));
11. Try-Except vs Try-Catch
Python:
try:
    x = 10 / 0
except ZeroDivisionError:
```

```
print('Error')
Java:
try {
    int x = 10 / 0;
} catch (ArithmeticException e) {
    System.out.println("Error");
}
12. Class Inheritance
Python:
class Animal:
    def speak(self):
        print("...")
class Dog(Animal):
    def speak(self):
        print("Woof")
Java:
class Animal {
    void speak() {
        System.out.println("...");
    }
}
class Dog extends Animal {
    void speak() {
        System.out.println("Woof");
    }
}
13. List vs ArrayList
Python:
my_list = [1, 2, 3]
my_list.append(4)
```

```
Java:
ArrayList<Integer> myList = new ArrayList<>();
myList.add(1);
myList.add(2);
myList.add(3);
myList.add(4);
14. Reading a File
Python:
with open('file.txt', 'r') as f:
    content = f.read()
Java:
try {
                                String
                                              content
                                                                       new
String(Files.readAllBytes(Paths.get("file.txt")));
} catch (IOException e) {
    e.printStackTrace();
}
```