WHY STUDY FOR TECHNICAL INTERVIEWS?

WHAT LANGUAGE SHOULD YOU USE?

PYTHON VS JAVA FOR LOOP SYNTAX

PYTHON

JAVA

```python
fruits = ["apple", "banana", "cherry"]
for x in fruits:
    print(x)
for x in range(len(fruits)):
    print(x)
for i, fruit in enumerate(fruits):
    print(i, fruit)
```

```
apple
banana
cherry
0
1
2
0 apple
1 banana
2 cherry
```

```java
public class Main {
  public static void main(String[] args) {
    String[] fruits = new String[]{"apple", "banana", "cherry"};
    for (int i = 0; i < fruits.length; i++) {
        System.out.println(fruits[i]);
    }
    for (int i = 0; i < fruits.length; i++) {
        System.out.println(i);
    }
    for (int i = 0; i < fruits.length; i++) {
        System.out.println(i + " " + fruits[i]);
    }
  }
}
```

```
apple
banana
cherry
0
1
2
0 apple
1 banana
2 cherry
```

EFFICIENCY : O(N)

PYTHON VS JAVA HASHMAP/DICTIONARY SYNTAX

PYTHON

JAVA

```python
dictionary = { 1:"integer", 2.03:"Decimal", "Lion":"Animal"}
```

OR

```python
hashmap = {}
hashmap["a"] = 1
hashmap[4] = 3.67
hashmap[3.07] = "value"
```

```java
import java.util.HashMap;

public class Main {
  public static void main(String[] args) {
    // Create a HashMap object called capitalCities
    HashMap<String, String> capitalCities = new HashMap<String, String>();

    // Add keys and values (Country, City)
    capitalCities.put("England", "London");
    capitalCities.put("Germany", "Berlin");
    capitalCities.put("Norway", "Oslo");
    capitalCities.put("USA", "Washington DC");
    System.out.println(capitalCities);

  }
}
```
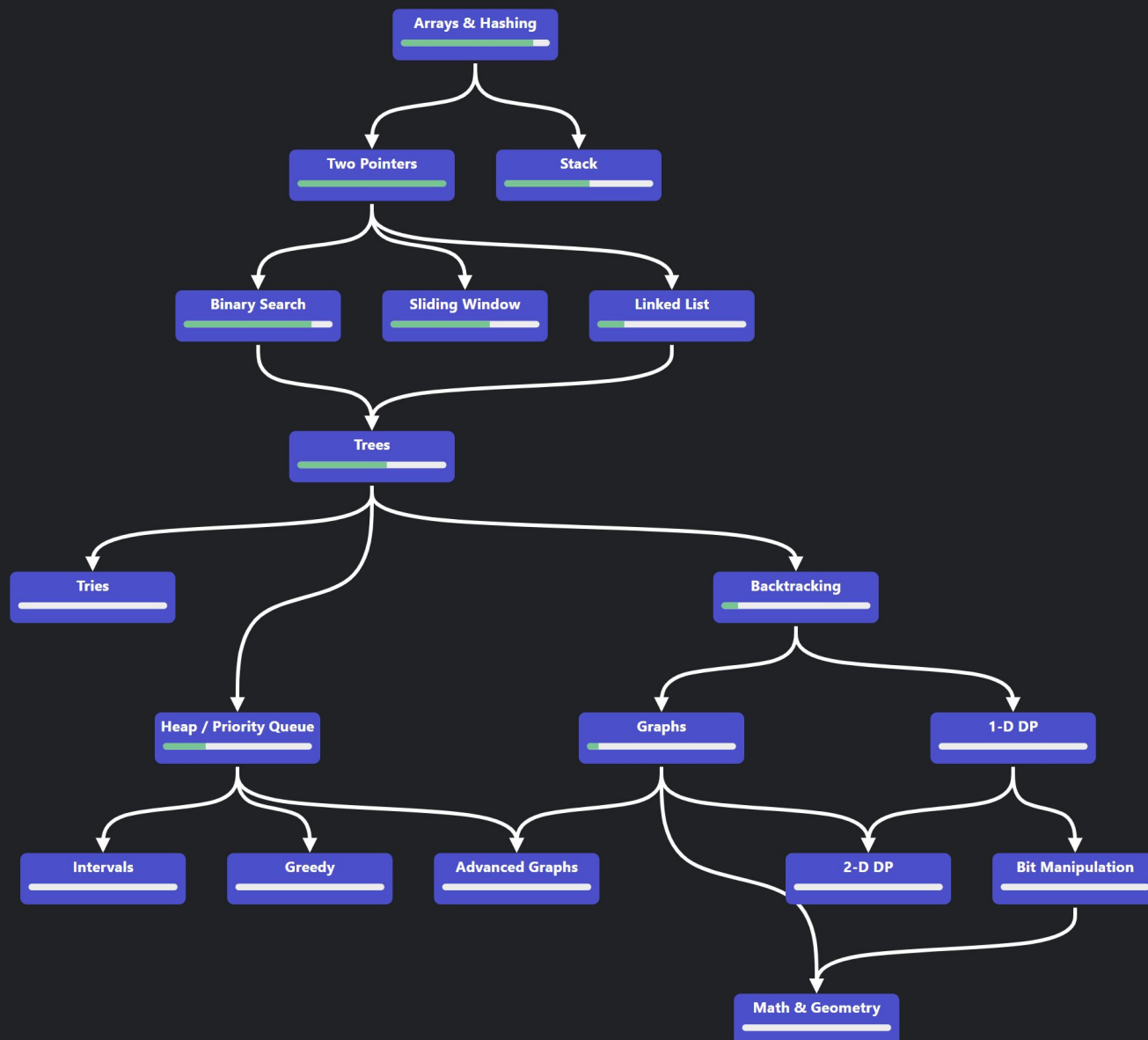
EFFICIENCY : O(1)

HOW DO YOU GET STARTED?

NEETCODE.IO

Arrays & Hashing

Two Pointers   Stack

Binary Search   Sliding Window   Linked List

Trees

Tries   Backtracking

Heap / Priority Queue   Graphs   1-D DP

Intervals   Greedy   Advanced Graphs   2-D DP   Bit Manipulation

Math & Geometry