Steps to construct algorithm

```
while (True):
    ↳ condition
    print("Priya Bhatia")
        (Infinite)
```

Loop → while, for

Python

Not an algorithm (Properties)

1) Problem Definition → constraints, parameters, test cases

(end-to-end)

2) Design algo ⟶ Divide & conquer
                  Dynamic Programming
                  Greedy Approach & many more

3) Draw flow chart

4) Testing

5) Implementation (Python/c/c++/Javascript - - -)

6) (Analysis) — ✳

   1) Time
      Complexity

   2) Space complexity

P ⟶ S1 ⟶ 100ms
    S2 — 80ms   T↓↓   S↑
    S3   T↑↑   S↓
      ↳ 50ms