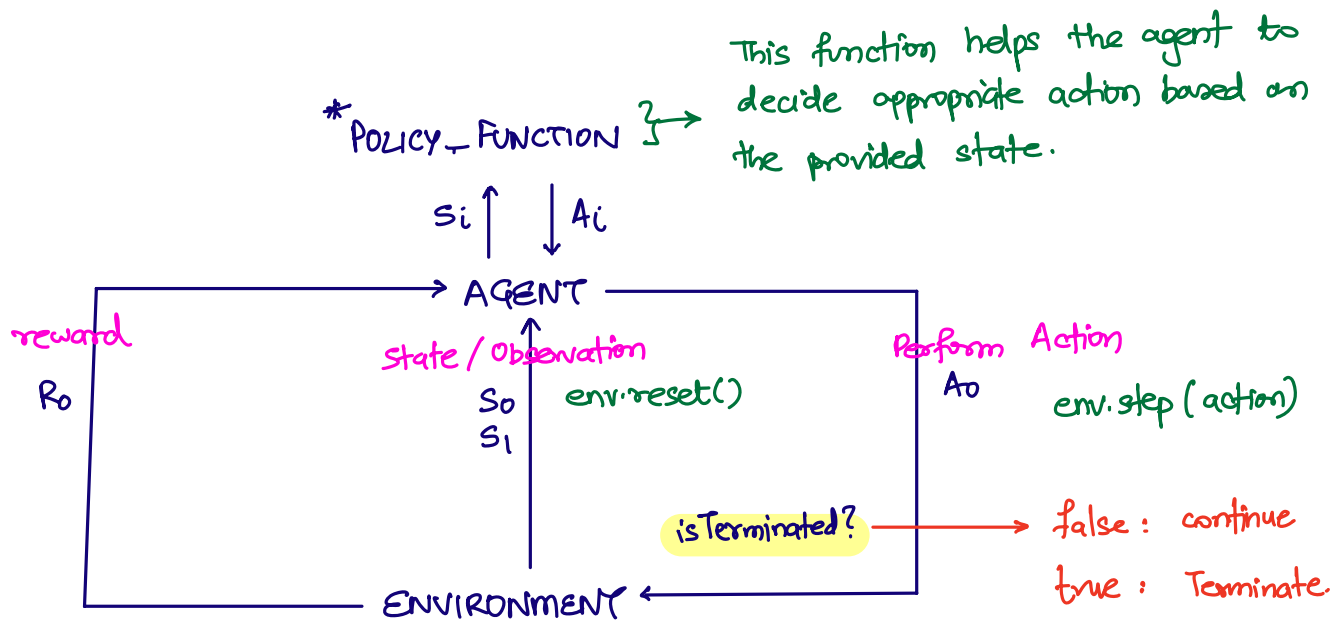


Reinforcement Learning

Trainer: Prashant N.

Agent Environment Interaction

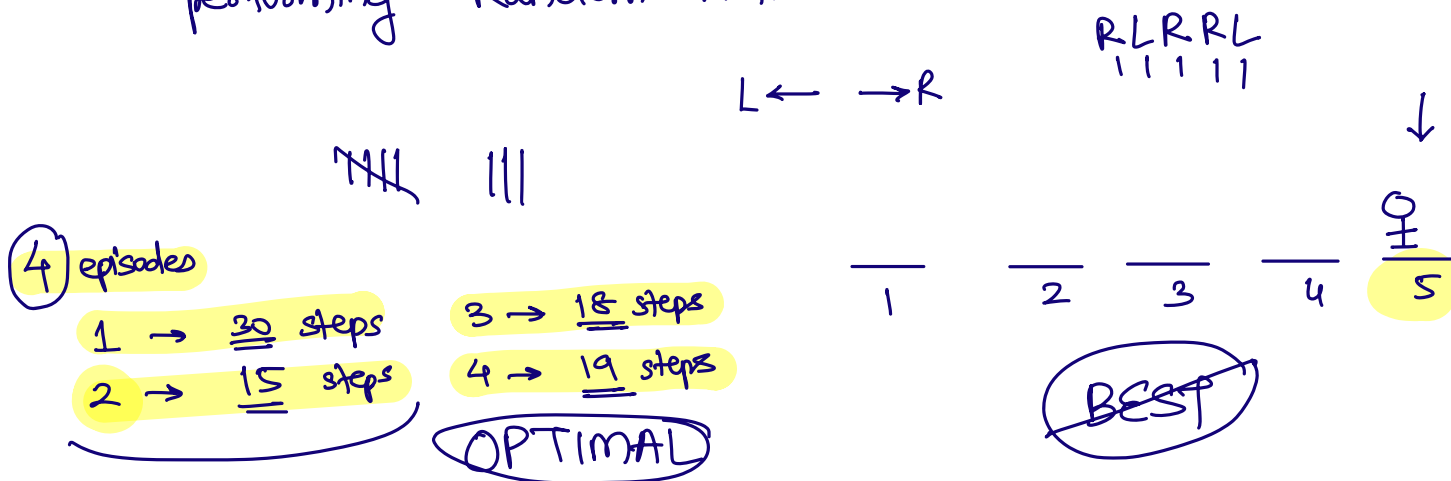


Policy function

Two core concepts of RL. w.r.t how agent decides which action to take at each step in learning.

① Exploration.

FINDING ALL POSSIBILITIES to reach the goal by performing Random Action.



② Exploitation

Applying **KNOWN SOLUTION** to reach the Goal.

-or-

Using a **Guidance Mechanism** to reach the Goal.

As a programmer following things will happen:

- ① You know the optimal solution and hard code the same $[R, R, R, R]$

| | | | | |
|---|---|---|---|---|
| | | | | Q |
| 1 | 2 | 3 | 4 | 5 |

- ② You load an **optimized model** to reach the solution
↑