**1)Rover**

🡺initialization of rover

* Initial\_x
* Initial\_y
* Direction\_face of rover

🡺Move(coordinates)

* Initial\_x = coordinates\_x
* Initial\_y = coordinates\_y

**2)Direction**

🡺initailize

(rover\_inst , plateau\_inst , rover\_face)

🡺turn(direction which can be L,R,M)

* For L and R two hashes
* For “move” error check and then passing the coordinates to rover.

🡺error\_check(position which can be N,S,E,W)

* Error conditions for all directions

**3)Input**

🡺Input taking

🡺Initialization of all instances

🡺run all methods

**4)Commander**

🡺initialize(rover\_inst,plateau\_inst,array of directions)

🡺each command method for giving each command to directions and then to rover

🡺print cords.

5)Plateau  
🡺initialize  
🡺rectangular\_plat(x,y)  
🡺error\_check(pos\_x,pos\_y ,@width , @height of plateau)  
     =>if coordinates are in range it will return coordinates  
     =>else false.