```
function thetalist_new = NextState(thetalist,thetadot_list,timestep, max_vel)
% NextState: based on a simple first-order Euler step that output the next stage set of angles
% Input:
        thetalist : set of angles of current state of the robot (6 jointsangles)
%
        thetadot_list : six joint angular velocities
%
        timestep : the time step between each state
%
        max_vel : the maximum velocity magnitude
% Output:
        thetalist_new : the next state set of angles
addpath('mr\')
if thetadot_list > max_vel
    disp('Joint velocity exceeds maximum allowed')
else
    thetalist_new = thetalist + (thetadot_list*timestep);
end
end
```

Warning: Name is nonexistent or not a directory:
D:\Documents\GitHub\MAE204-FinalProject\main\mr

Not enough input arguments.

Error in NextState (line 12)
if thetadot_list > max_vel

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Link to the Video.

https://drive.google.com/file/d/1NDYg6anlH79okCc6sluspAbgZ5PJvH0K/view?usp=sharing