```
% Assignment 2 - Question 2, Forward Kinematics
clear all;
M = [-1, 0, 0, 0;
    0, 0, 1, 3;
    0, 1, 0, 2;
    0, 0, 0, 1];
%Screw Axes w,v
S1 = [0,0,1,0,0,0];
S2 = [1,0,0,0,2,0];
S3 = [0,0,0,0,0,1,0];
Slist = [S1',S2',S3'];
%Body Axes
B1 = [0,1,0,3,0,0];
B2 = [-1, 0, 0, 0, 3, 0];
B3 = [0,0,0,0,0,1];
Blist = [B1',B2',B3'];
%thetalist
thetalist = [pi/2;pi/2;1];
%Configuration Space frame
Ts = FKinSpace(M,Slist,thetalist);
%Configuration Body Frame
Tb = FKinBody(M,Blist,thetalist);
% OUTPUT:
왕
응
% Tb =
왕
    -0.0000
              1.0000 -0.0000
                                 -0.0000
응
    -1.0000
                       0.0000
%
             -0.0000
                                 0.0000
응
          0
              0.0000
                         1.0000
                                    6.0000
응
           0
                              0
                                    1.0000
                    0
응
%
% Ts =
응
              1.0000
                       -0.0000
%
     -0.0000
                                  -0.0000
응
    -1.0000
             -0.0000 0.0000 0.0000
              0.0000
                        1.0000
                                    6.0000
왕
           0
응
           0
                              0
                                    1.0000
                     0
```

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