بسمه تعالی

تمرین دوم **رباتیک**

تحویل ۱۲ آبان روی سامانه درس‌افزار **پاییز ۱۴۰۲**

Construct a model for the RPP robot in Simulink/Simmechanis. Show your reference frames on the following figure and submit them along with your Simulink model.

1. Use the IC block to set the values of the joint variables according to the following table and find the position of the tip of the last link (end-effector):

$\theta(\text{deg})$	-90	30	150	-18	56	280
$d1(mm)$	150	120	30	100	30	220
$d2(mm)$	100	80	0	0	170	110

2. Follow the DH convention, fill up the table, and use your last assignment to solve the forward Kinematics and find the end-effector position for the last table's joint values. Report your DH table and the results and compare with those of part 1.
(L1 = 45 mm , L2 = 22.5 mm)