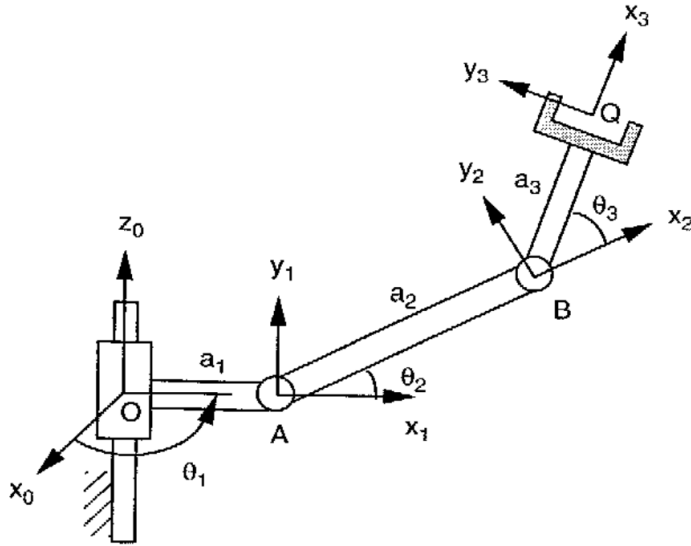


BRAC UNIVERSITY
Department of Computer Science and Engineering
CSE461
Assignment 01



Question:

The given manipulator has 3 Degrees of freedom, And all of the joints are revolute joints.

[$a_1 = 1 \text{ cm}$, $a_2 = 4 \text{ cm}$, $a_3 = 3 \text{ cm}$]

Now, you are required to grab an object by moving the end effector of the given manipulator to the location of the object. If the position of the object is $(X,Y,Z) = (5,3,4)$, what is the amount of rotation needed at each joint?

Submit the scan copy of your assignment to <https://forms.gle/b27HLCnYwFW5oVUF9>