

ROS task 2 –

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Question 1:

A screenshot of the output of an apriltag is attached below.

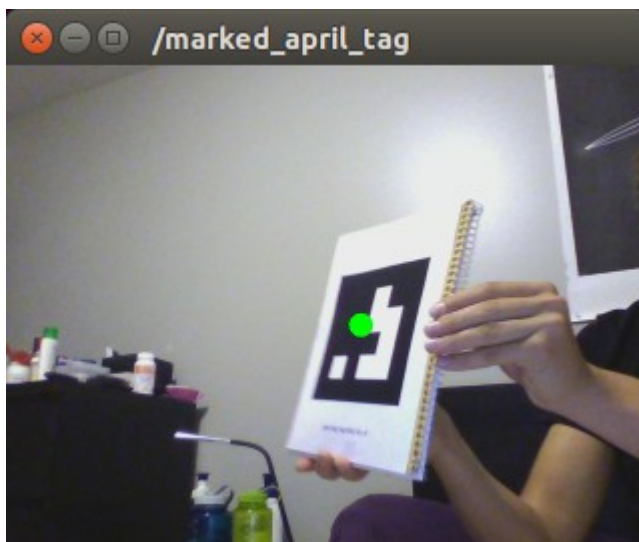
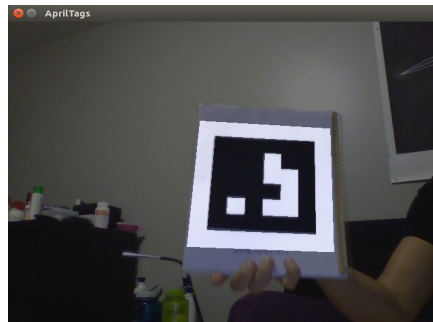
Our project: The stepping stones requires the human to be centered in one point w.r.t the room.

April tags can help the system localize the human and also give some information about the pose

Question 2:

A lot of information is passed in the message from the detection. Specifically, it contains the co-ordinates for the 4 corners in  $(x, y, z)$ , and the pose which contains the position in  $(x, y, z)$  and orientation in  $(x, y, z, w)$  format. It also contains information about the tag size and the frame number.

It contains information of position, size, timestamp and orientation of the QR code.



Question 3

The launch file is included.