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Week 9 Studio 1

Group 4b

17th March 2020

Question 1:

A screenshot of a social media post

Description automatically generated

The explanation is input as the comments in the code.

Question 2:

Pi passes along distance/angle in cm/degrees and speed in % to the Arduino when sending the four commands

Question 3:

The first parameter for forward() and reverse() is distance in cm and the first parameter for left() and right() is angle in degrees. It tells Alex the distance to move and the angle to turn. The second parameter for all four functions are speed in %, which tells Alex how fast it moves.

Question 4:

The sendOk() function first creates a packet, then sets the pactketType to PACKET\_TYPE\_RESPONSE and sets the command to RESP\_OK, and finally calls the sendResponse() function and passes the packet created to it. The sendResponse() takes a packet, serializes it then sends it out over the serial port.

Question 5:

A picture containing knife

Description automatically generated