Flowchart labels:

0xFF — FF

0xFF — FF

0x19 — Len — 0x11

Round = 0

data

Round < Len-1 — No — Check Sum

Yes (Round < Len-1)

Round = Round+1

Clear data — No

Yes (Check Sum)

Copy data[ ] to command

Name Leg	Shoulder ID	Hip ID	Knee ID
FR Forward Right	1	5	9
BR Behind Right	2	6	10
FL Forward Left	3	7	11
BL Behind Left	4	8	12

Send data Arduino to Python

		Len	Position Hip				Position Knee				Load Knee				
oxFF	oxFF	ox19	FR	BR	FL	BL	FR	BR	FL	BL	FR	BR	FL	BL	sum

Send data Python to Arduino

		Len	Position Hip				Position Knee				
oxFF	oxFF	ox11	FR	BR	FL	BL	FR	BR	FL	BL	sum