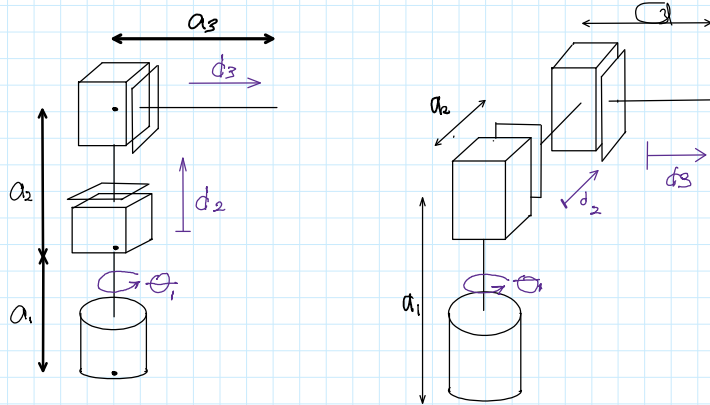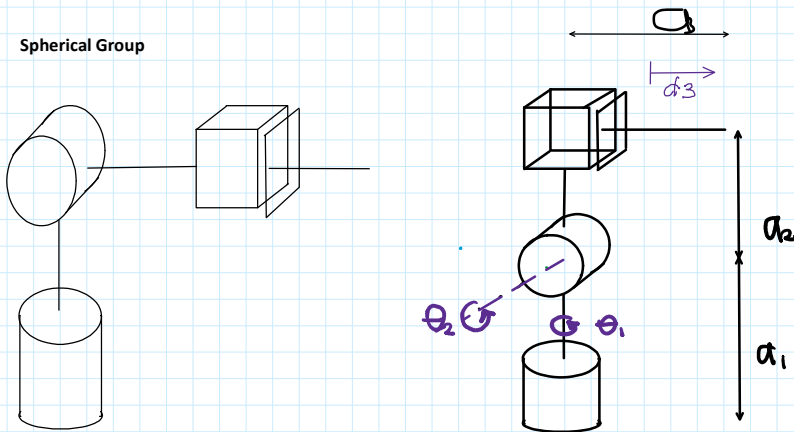1. **Build the 3-DOF simulation in Python and MATLAB.**
2. **After completing the 3-DOF simulation, build the 6-DOF simulation for your assigned manipulators.**
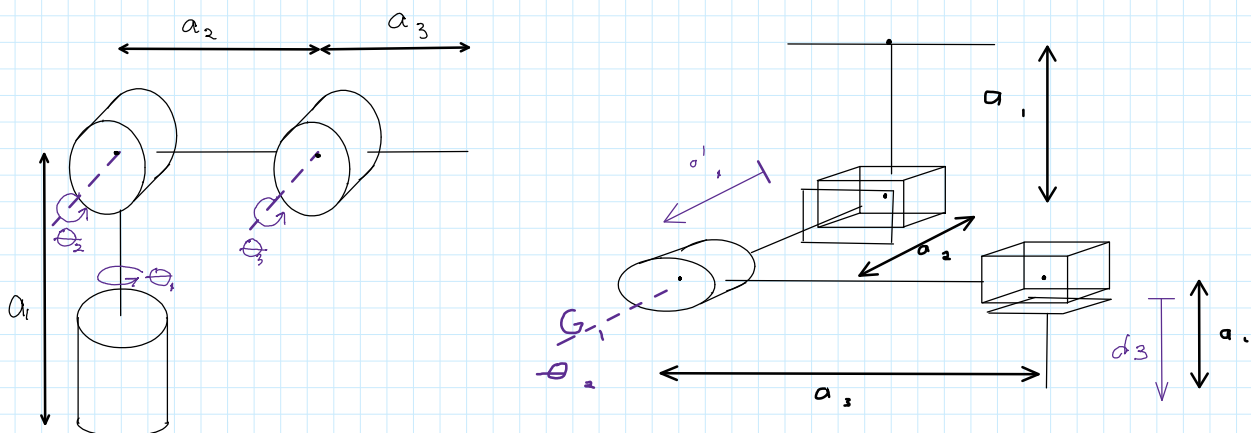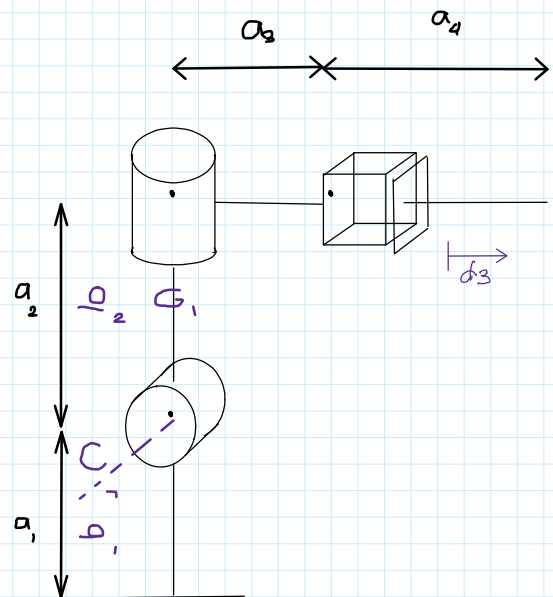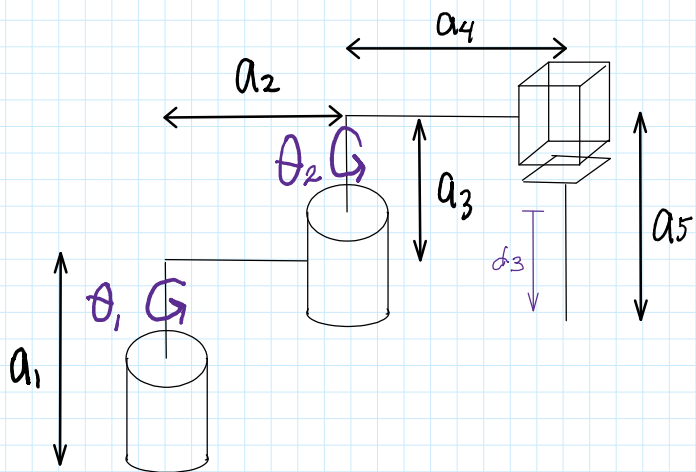
Cylindrical Group

Spherical Group

Articulated Group

SCARA Group

a_2

a_4

θ_2 G

a_3

a_5

d_3

θ_1 G

a_1

a_3

a_4

a_2

O_2 G_1

d_3

C

q

a_1

CARTESIAN Group

a_3

a_2

σ'_1

σ'_2

d_3

a_4

a_1

a_3

a_2

G

θ_2

d_3

σ'_1

a_1