

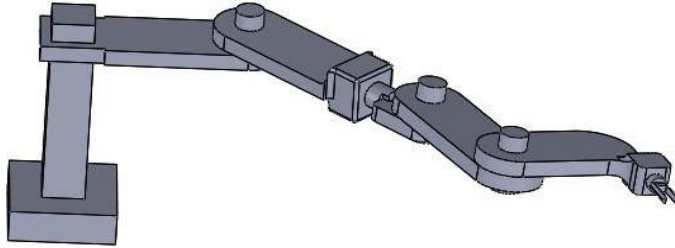


Midterm examination

ROBOTIC OPERATING SYSTEM

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Summary for running the code for PRRRRR robot manipulator with rviz,gazebo,and moveit.



1-The package name is **serial_robot_5axis**

2-The folders inside it will be like the following and it will be the responsible for visualizing ,simulating ,and controlling the robotmanipulator :

- There will be one file inside urdf folder that file is under the name of **midterm.urdf** and its containing all materials needed for both **rviz**,and **gazebo**
- There will be tow files inside **launch** folder one of them for running **rviz** with name of **midterm_rviz**
The other is for running **gazebo** with name of **midterm_gazebo**
- One folder with name of **yaml** that will contain folder of name of **controllers.yaml** and it will be responsible for joint controlling .

3-There will be an another folder under the name of **prrrrr_moveit_config** and it will be the responsible for planning motion with **moveit**.

4-Video demonstration for working will be attached under the name of **demonstration**.