1. **When is the pass keyword used in Python?**

When you have an empty function that is not implemented yet. If you don’t put a pass statement, there will be an error like: IndentationError: expected an idented block.

1. **What is the Idle class supposed to do?**

The Idle class contains the initialization and the functions to have a stable sampling time so that the robot works synchronously. It’s supposed to be instantiated before the execution of all the other parts of the code with the \_\_init\_\_ function, and then use the task function so the robots only performs an action every sampling period.

1. **Can you instantiate the Robot class? Why?**

No. It is an abstract function from the abc library so it can not be instantiated by itself. You have an \_\_init\_\_ function so that the “children” speaking in heritage terms can initialize the attribute of Robot.

1. **How are Robot’s attributes initialized from RobotP3DX? Can RobotP3DX objects access them?**

They are initialized when you initialize the RobotP3DX class by using the function \_\_init\_\_ from the class Robot. Robot3PDX can use that function because class RobotP3DX is defined as a Robot, therefore it can use the functions obtained from the Robot Class.

It can access the attributes because it is declared an @abstractclass with the decorator. Failure to do so would result in an Error.