

# Dynamo

#### TRAINING OVERVIEW

#### Module 01

Dyn\_01\_Getting started

Dyn\_02\_Arithmetic and Logic Operators

Dyn\_03\_Strings and other Data Types

#### Module 02

Dyn\_04\_List Management

Dyn\_05\_List Management\_Example

Dyn\_06\_DesignScript and codeblocks

#### Module 03

Dyn\_07\_Working with Revit Data

Dyn\_08\_Revit Data Management\_Example01

Dyn\_09\_Revit Data Management\_Example02

Dyn\_10\_Revit to Excel

Dyn\_11\_Excel to Revit

#### Module 04

Dyn\_12\_Create Sheets

Dyn\_13\_Create Sheets from Excel file

Dyn\_14\_Room numbering

Dyn\_15\_Element Grid location

#### TRAINING OVERVIEW

#### Module 01

Dyn\_01\_Getting started

Dyn\_02\_Arithmetic and Logic Operators Understanding Dynamo and Visual Scripting

—— List and Data management

Dyn\_03\_Strings and other Data Types

#### Module 02

Dyn\_04\_List Management

Dyn\_05\_List Management\_Example

Dyn\_06\_DesignScript and codeblocks

#### Module 03

Dyn\_07\_Working with Revit Data

Dyn\_08\_Revit Data Management\_Example01 — Working with Revit data

Dyn\_09\_Revit Data Management\_Example02

Dyn\_10\_Revit to Excel

Dyn\_11\_Excel to Revit

#### Module 04

Dyn\_12\_Create Sheets

Dyn\_13\_Create Sheets from Excel file \_\_\_\_\_\_ Use cases

Dyn\_14\_Room numbering

Dyn\_15\_Element Grid location

#### TRAINING FILES

- 1. Learn the basics about Visual Programming
- 2. Understand Data Types
- 3. Dynamo programming mindset
- 4. Troubleshoot existing scripts (errors)
- 5. Update KAAN standard scripts
- 6. Create your own scripts

## **TRAINING FILES**

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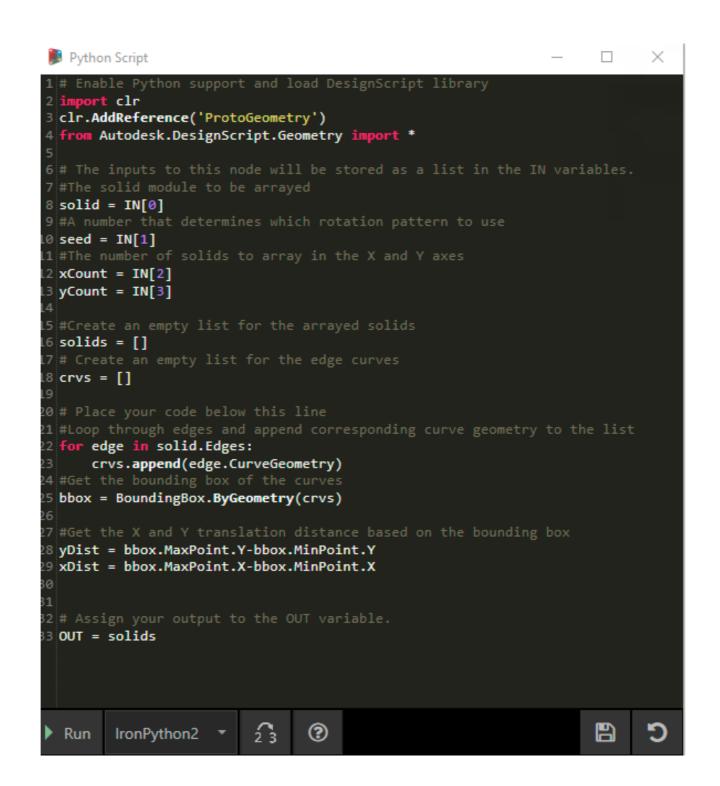
#### **DYNAMO RESOURCES**

- Dynamo primer
   <a href="https://primer2.dynamobim.org/">https://primer2.dynamobim.org/</a>
- Dynamo Github <a href="https://github.com/DynamoDS/Dynamo">https://github.com/DynamoDS/Dynamo</a>
- Dynamo forums
   <a href="https://forum.dynamobim.com/">https://forum.dynamobim.com/</a>
- Github where training scripts can be found <a href="https://github.com/JavierCuartero/Dynamo\_Training">https://github.com/JavierCuartero/Dynamo\_Training</a>

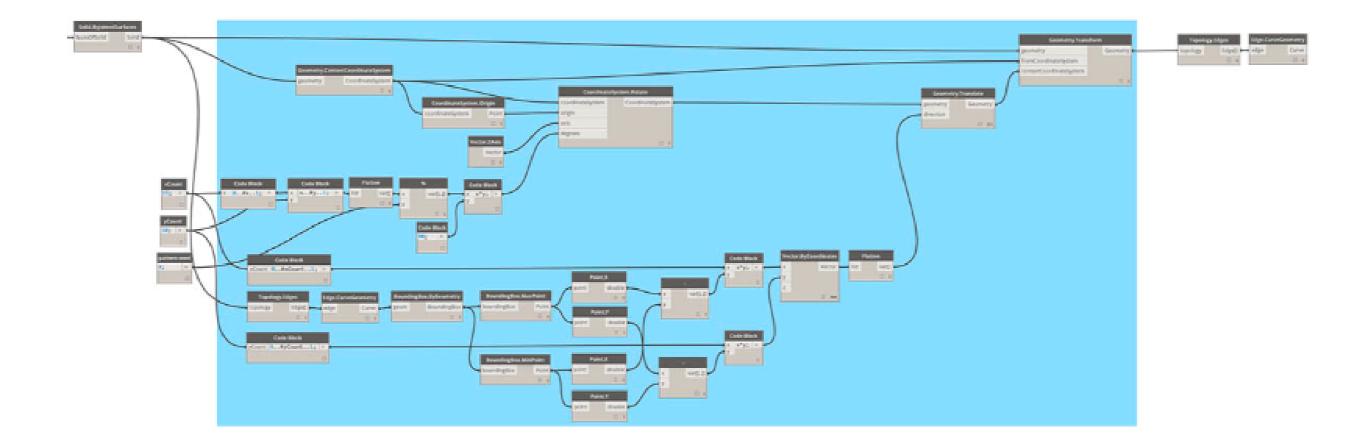
# Dynamo 2

Visual Programming

#### **CODING**

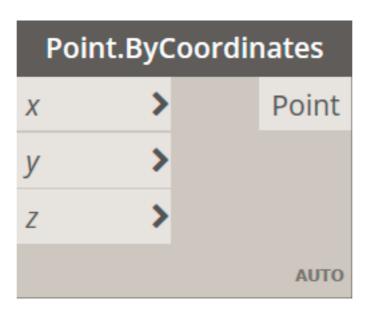


# **VISUAL PROGRAMMING**

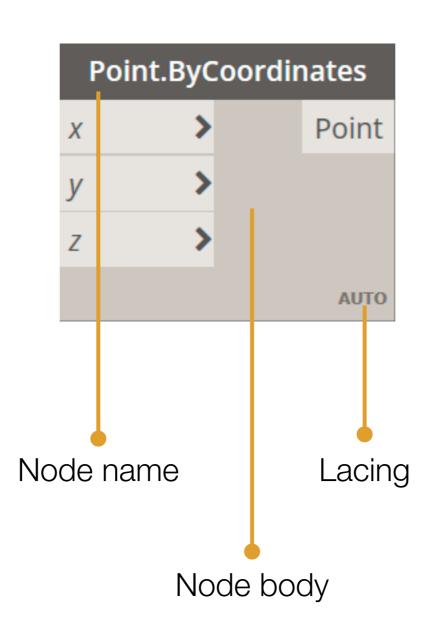


Nodes

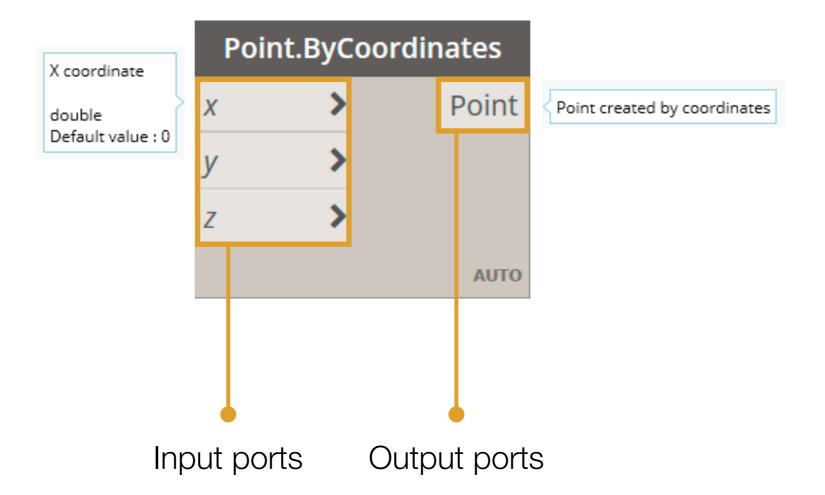
# **NODES**



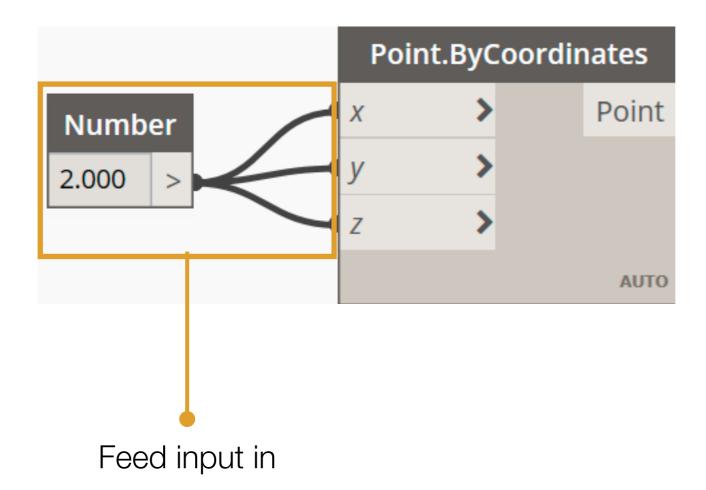
# **NODES**



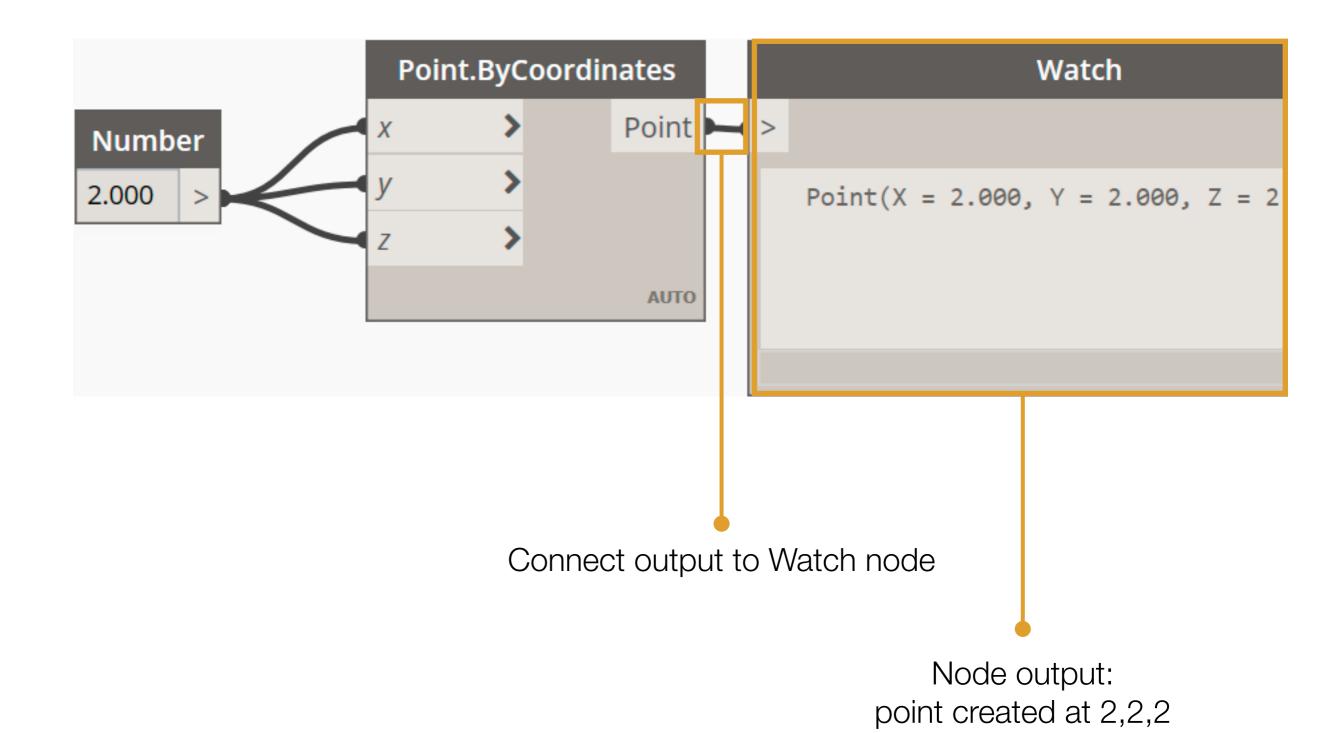
# **NODES: INPUT & OUTPUT**



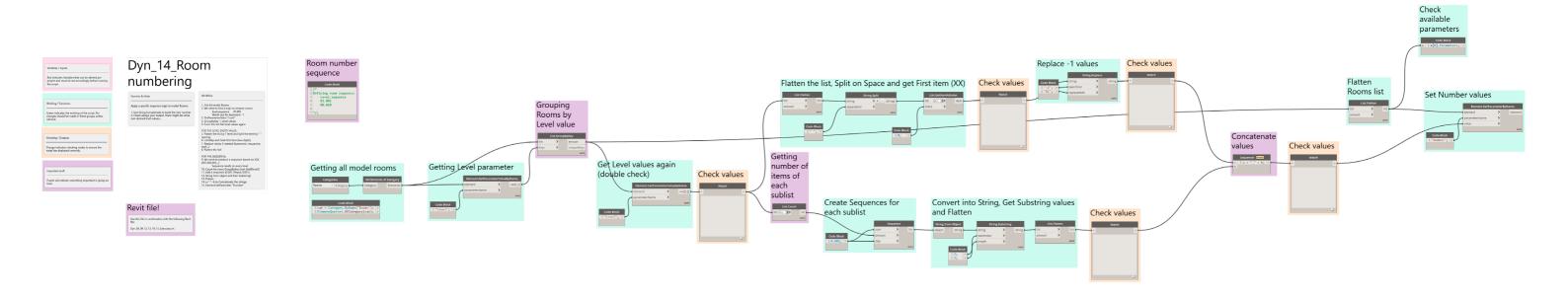
# **CONNECTING NODES**



## **CONNECTING NODES**



# **SCRIPT EXAMPLE**



Let's jump into Dynamo!