



[ 01 ]

# OBJECT TYPES

The building blocks of Dynamo

# THE PRESENTERS



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Design & BIM

@JacobWSmall

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# AGENDA



01.

15 Minute Presentation:  
Object Types



02.

Questions & Answers



03.

*Bonus:*  
*Presentation*

# Data Types

- Basic Data:

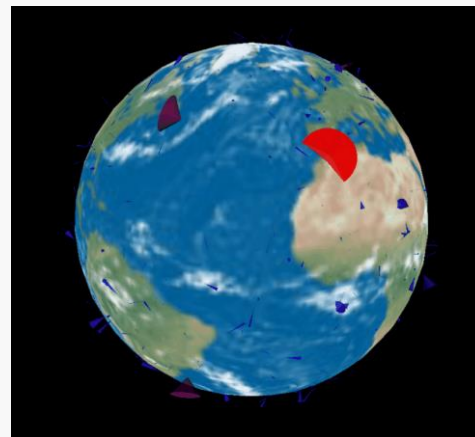
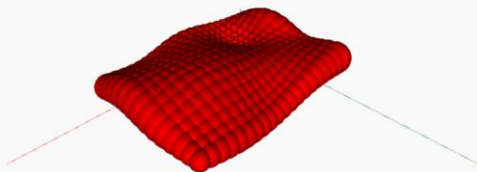
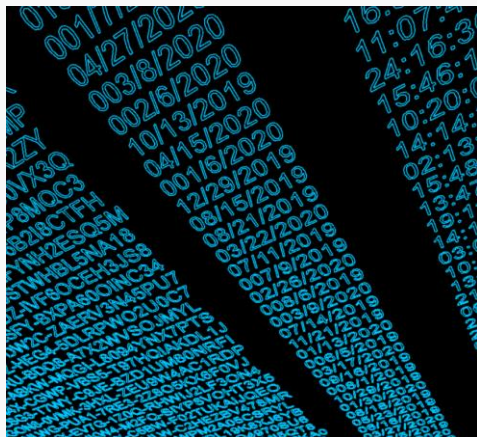
- Integers
- Doubles
- Strings
- Boolean

- Complex Data:

- Colors
- Paths
- Files & Directories
- Geometry

- Special Data:

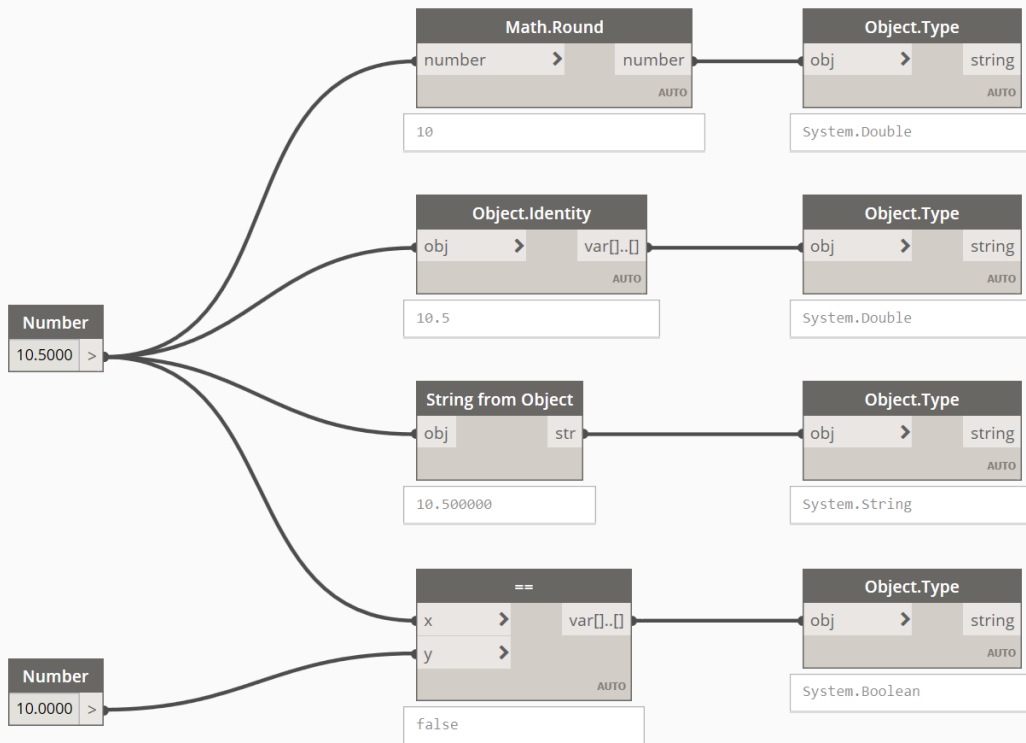
- Functions
- Null
- Revit Elements
- Custom Objects



# Data Types

- Basic Data:

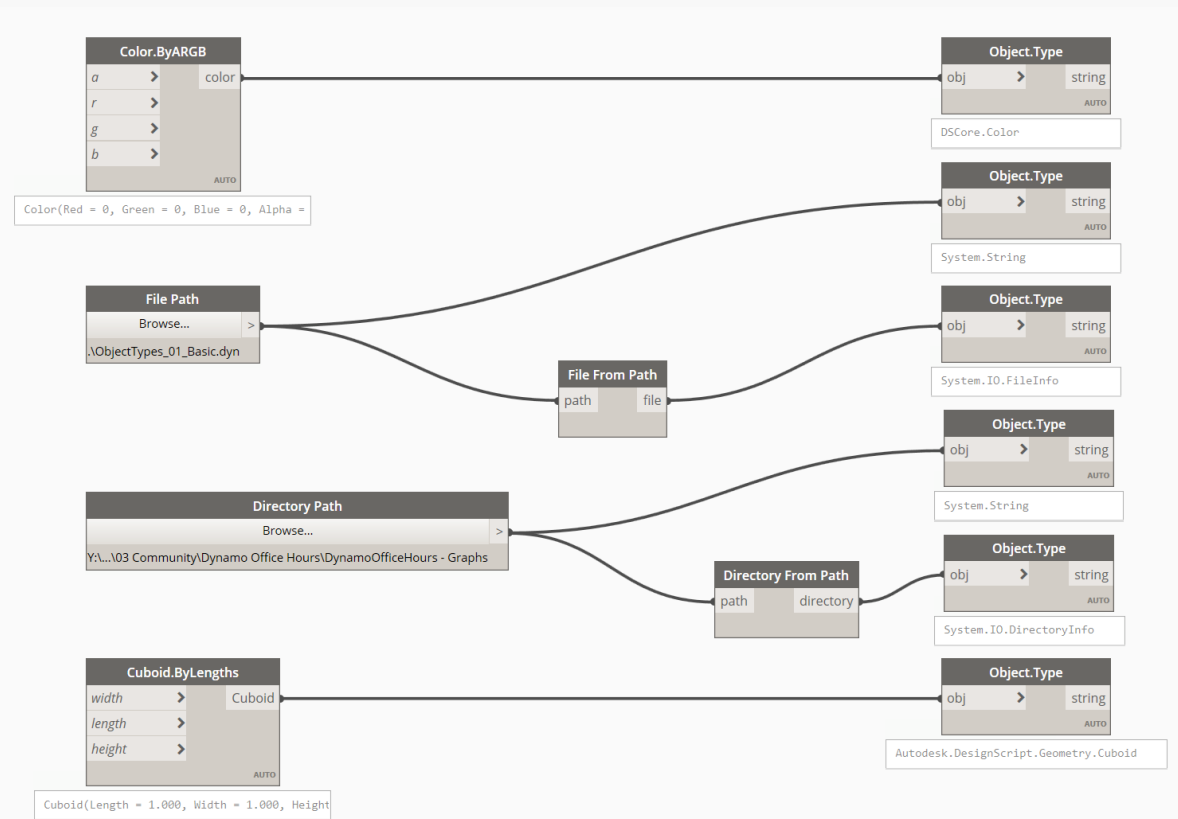
- Integers
- Doubles
- Strings
- Boolean



# Data Types

- Complex Data:

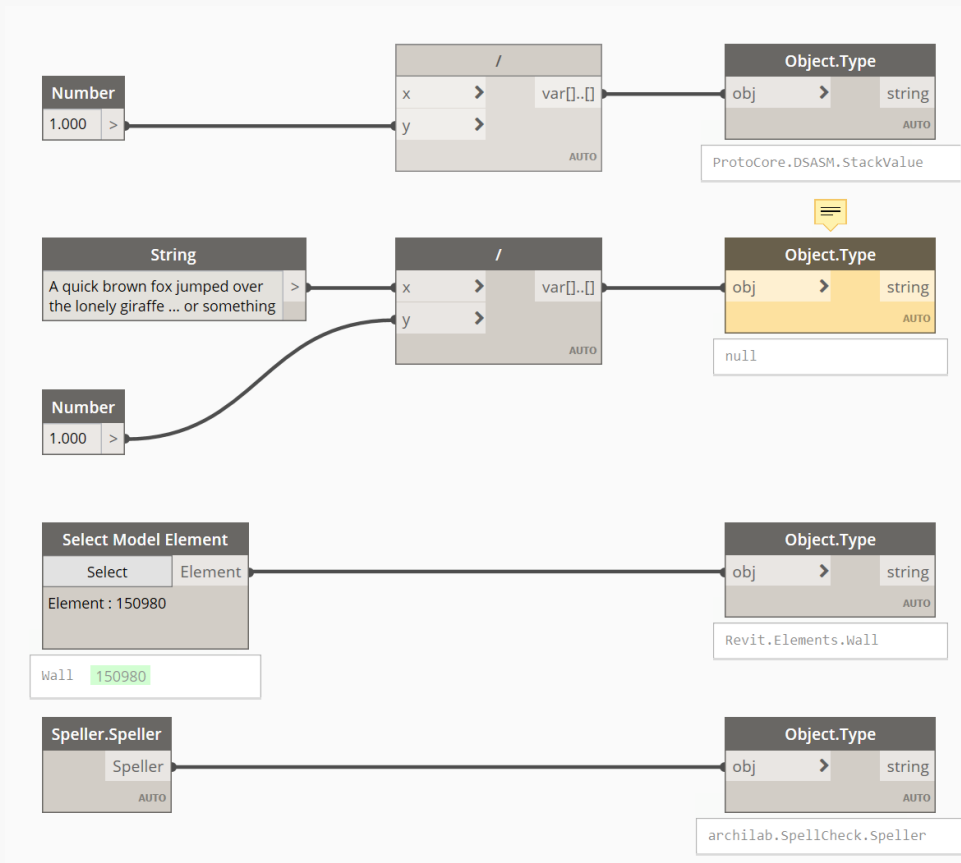
- Colors
- Paths
- Files + Directories
- Geometry



# Data Types

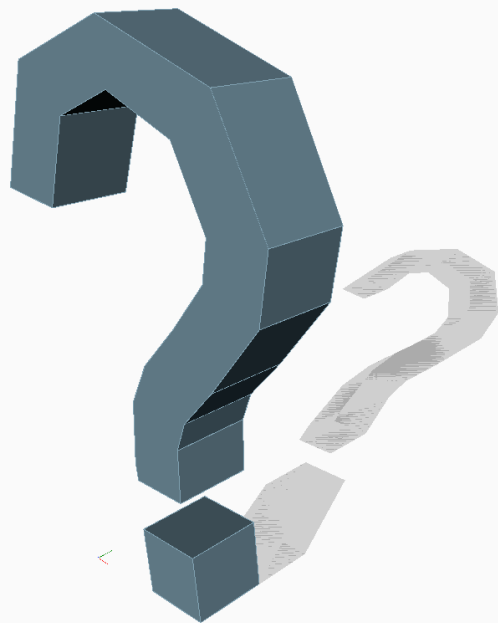
- Special Data:

- Functions
- Null (Or a 'Nothing')
- Revit Elements / Civil Objects / FormIt Geometry / "Your-Host-Program-Here-Data"
- Custom Objects





# Questions?



# LEARNING RESOURCES

Bookmark these in your preferred browser

## Dynamo Info / News

- Main: <http://dynamobim.org/>
- Blog: <https://dynamobim.org/blog/>
- Dynamo Builds: <http://dynamobuilds.com/>
- Dynamo GitHub: <https://github.com/DynamoDS/Dynamo>

## Dynamo Learning

- Dynamo Primer: <http://primer.dynamobim.org>
- Dynamo Forums: <https://forum.dynamobim.com/>
- Dynamo Dictionary: <https://dictionary.dynamobim.com>
- Dynamo Nodes: <https://dynamonodes.com/>

## Design Script:

- Design Script Language Summary:  
[http://designscript.io/DesignScript\\_user\\_manual\\_0.1.pdf](http://designscript.io/DesignScript_user_manual_0.1.pdf)
- Design Script Language Guide: <https://dynamobim.org/wp-content/links/DesignScriptGuide.pdf>
- Design Script Presentation:  
<https://github.com/Amoursol/dynamoDesignScript>

## Dynamo Python:

- Python for Dynamo AU Lab Handout 1:  
[https://docs.google.com/document/d/1\\_ms\\_ZyyKoaWbWbcio3CN5qTl2Ywq4OJep3SIsWOXXul/edit#heading=h.76xq4kaz9plc](https://docs.google.com/document/d/1_ms_ZyyKoaWbWbcio3CN5qTl2Ywq4OJep3SIsWOXXul/edit#heading=h.76xq4kaz9plc)
- Python for Dynamo AU Lab Handout 2:  
[https://github.com/Amoursol/dynamoPython/blob/master/images/DivingDeeper\\_ABeginnersLookAtPythonInDynamo\\_AU\\_London2018.pdf](https://github.com/Amoursol/dynamoPython/blob/master/images/DivingDeeper_ABeginnersLookAtPythonInDynamo_AU_London2018.pdf)
- Python for Dynamo examples:  
<https://github.com/Amoursol/dynamoPython>

## Generative Design:

- Info: <https://www.autodesk.com/campaigns/refinery-beta>
- Primer: <https://www.generativedesign.org/>
- Beta Site: <https://feedback.autodesk.com/key/RefineryLanding>



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