

ARCH-7210: Idea Seminar | ARCH-5050: S.T.A.P.A.C.D

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ASSIGNMENT 2: Python Turtle (10 pts)

Due: 09.09.21 AT 2:29 PM

Brief:

This assignment is an overview on Python Turtle library. Turtle is a graphical library which was created to introduce children to programming. However, its use is not limited to children and is beneficial to new programmers. For this assignment, provide your answers (codes) only a single Jupiter Notebook file (.ipynb).

Note: Comments are required in your code.

Problem 1: (5pts)

Investigate and find 5 patterns made of a set of rules. Describe the algorithm that produces the pattern. You can type in your answer as a Markdown in Jupyter Notebook.

Problem 2: (5 pts)

Implement each pattern using Python Turtle. For each pattern defines a function and then create the patterns by calling those functions.

Bonus points: (2 pts) 2 bonus points will be given if the pattern is made of a set of complex rules consists of conditional statements and loops.

Hints:

- [Python Turtle documentation](#)
- [Python Turtle tutorial](#)