

Assignment 1

Plot the following equations in the same plot and write a report (**.md file**) explaining which one is the best

1. **Logarithmic** = $\theta(\log n)$
2. **Linear** = $\theta(n)$
3. **Quadratic** = $\theta(n^2)$
4. **Cubic** = $\theta(n^3)$
5. **Polynomial** = $\theta(n^k)$

Input Values: $n=7$, $k=4$

How to submit the assignment:

1. Create a GitHub repository called "IM-assignments"
2. Create a "Assignment 1" directory
3. Put your .md file & code in that directory
4. Share the **link of the directory** [in this Google Form](#).

**** Make sure you keep your repository privacy "Public"**

Deadline: 30-05-2021