### Programming Assignment 1 (Report)

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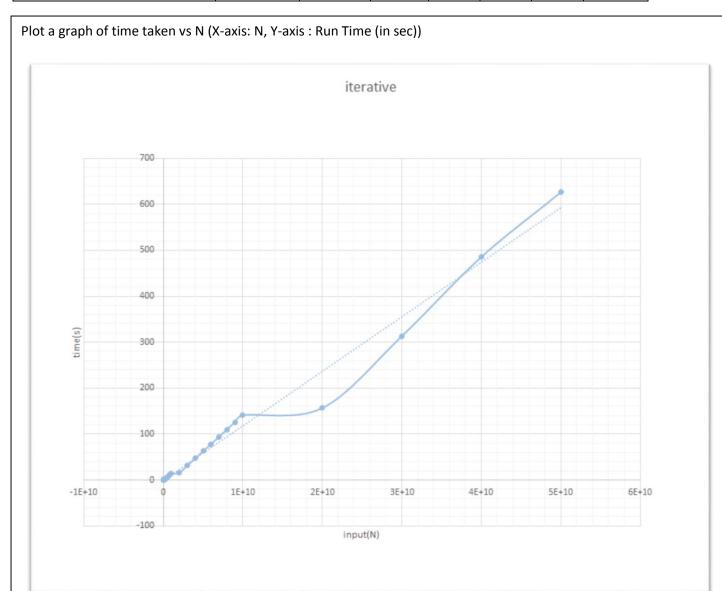
## For each algorithm:

- 1) Fill up the tables with maximum value of N for which the program gives the output within the time specified in the first row. (If value of N exceeds 10^18, fill the corresponding entry in table as >10^18)s
- 2) Plot graph to visualize run time

Computer Specification: (i7, 1.6x4 GHz, 6 GB RAM)

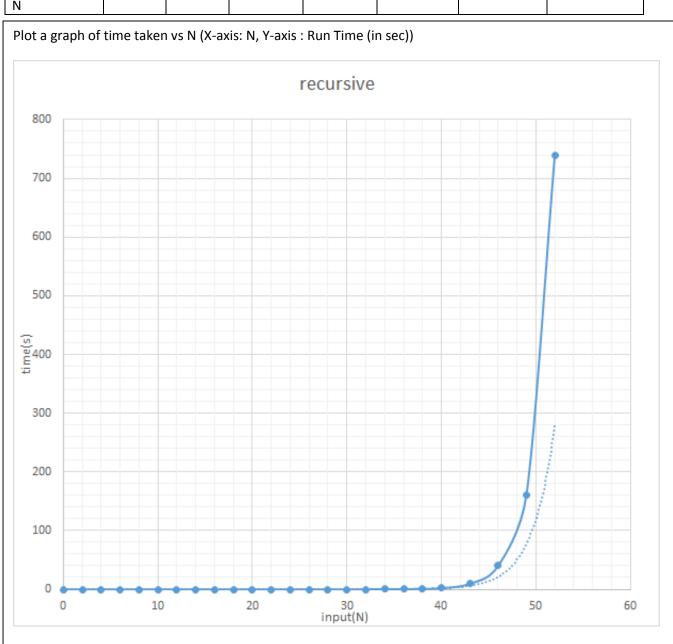
### A) Recursive Fibonacci (RFib):

Time (in sec)	.001	.01	.1	1	5	60	600
Max value of N	20	26	34	39	42	47	52



# B) Iterative Fibonacci (IFib):

Time (in sec)	.001	.01	.1	1	5	60	600
Max value of	14000	200000	40000000	45000000	250000000	5000100001	50000100001
N							



# C) Clever Fibonacci (Clever-algo-Fib):

Time	.001	.01	.1	1	5	60	600
(in							
sec)							
Max	>10^18	>10^18	>10^18	>10^18	>10^18	>10^18	>10^18
value							
of N							

