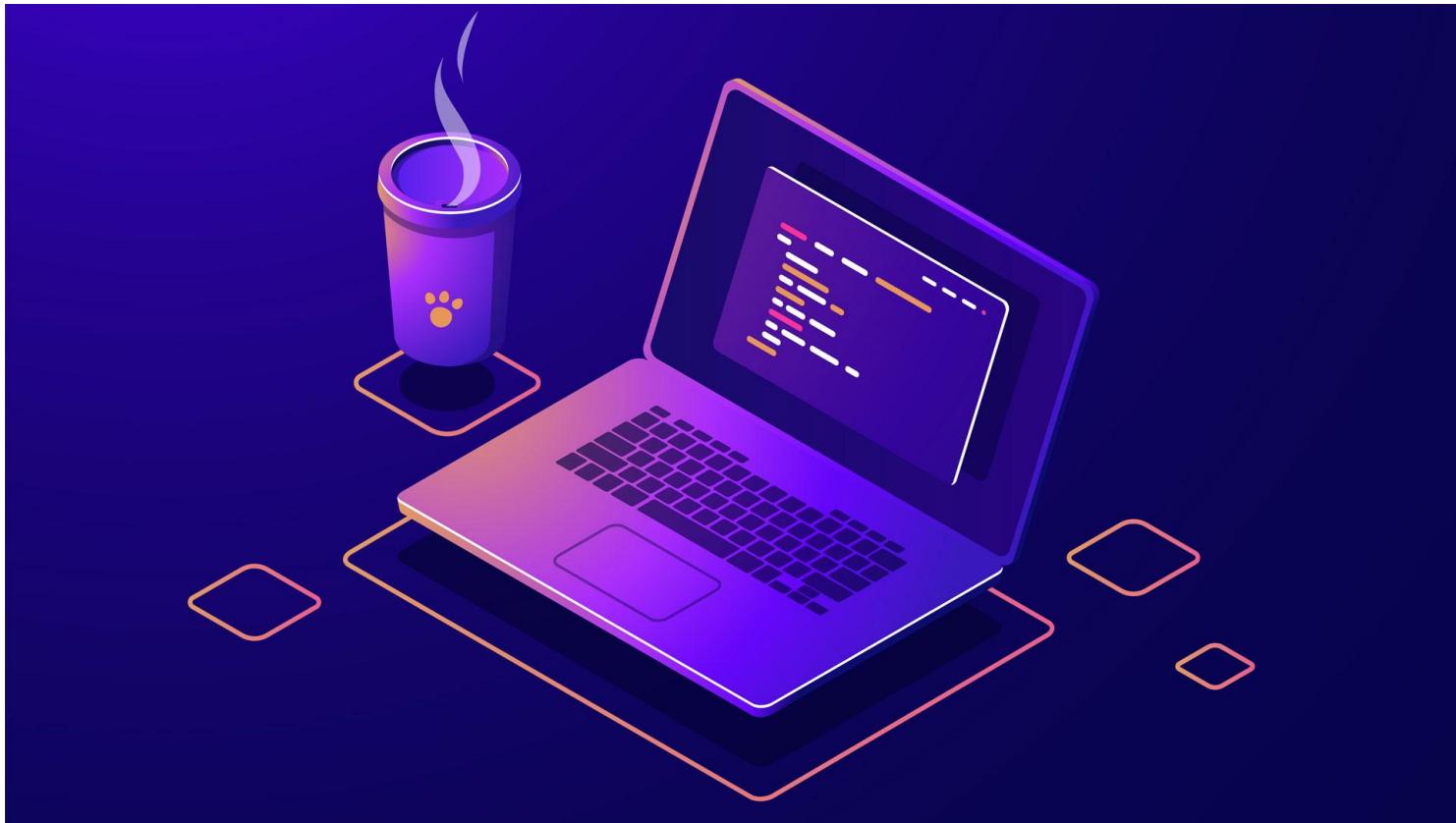
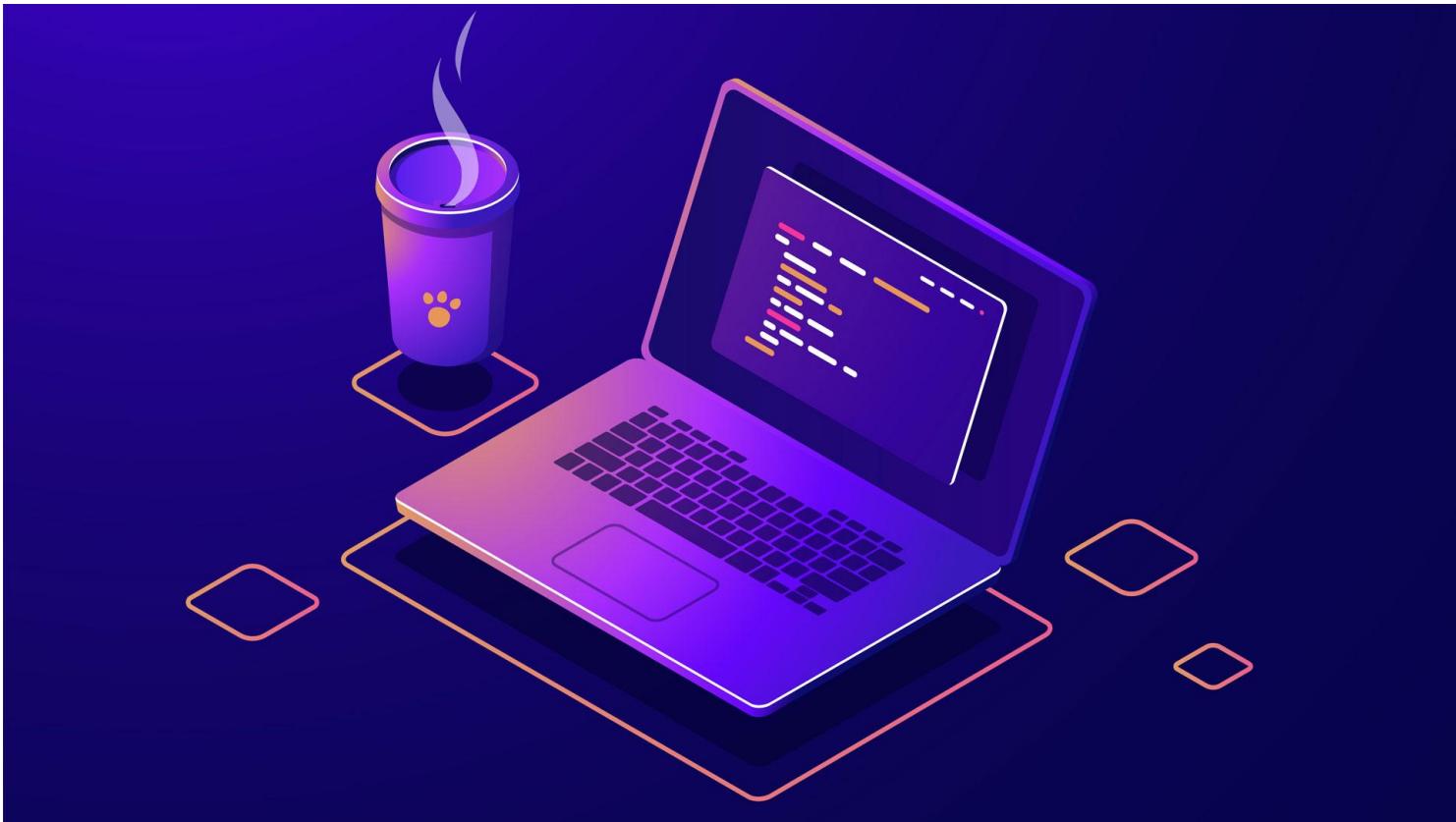


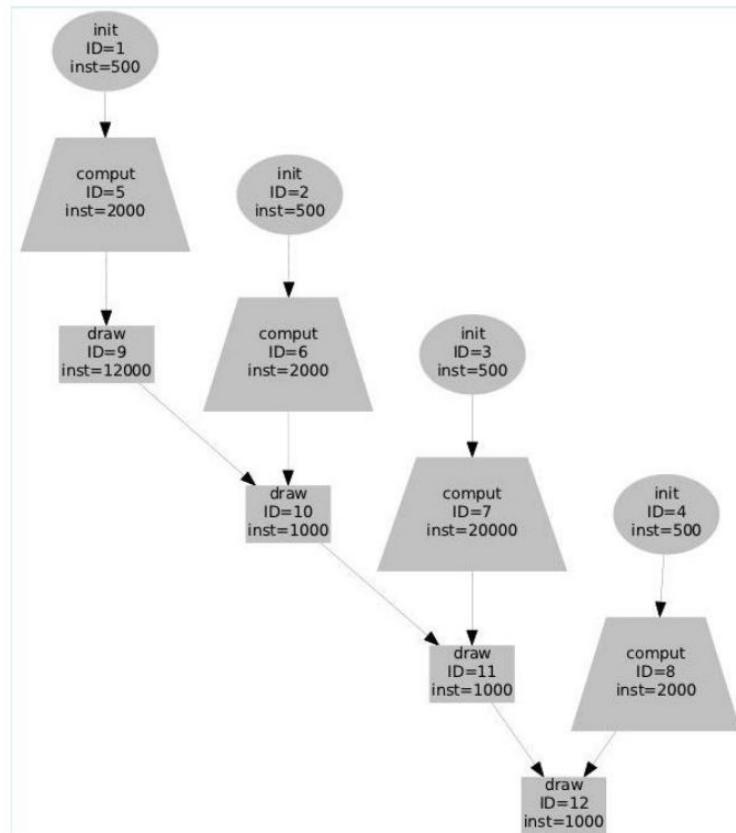
Parallelism Fundamentals Problems



Problem 2



Problem 2



Problem 2



a) Calculate T_1

b) Critical Path

c) Calculate T_∞

d) Parallelism and minimum number of processors (P_{\min})

Solutions



$$a) T_1 = 43000$$

Solutions



a) $T_1 = 43000$

b) Critical Path = {3, 7, 11, 12}

Solutions



a) $T_1 = 43000$

b) Critical Path = {3, 7, 11, 12}

c) $T_{\infty} = 22500$

Solutions



a) $T_1 = 43000$

b) Critical Path = {3, 7, 11, 12}

c) $T_{\infty} = 22500$

d) Parallelism = $43000/22500 = 1.91$

Hence, minimum number of processors $P_{\min} = 2$

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