

TASK 1

$$A = (d * a) * [(a + b) + (c - a)]$$

considering your roll num, you need to choose your last 4 characters and assign these 4 values to a b c and d (for example 19i-1234). a = 1 b = 2 c = 3 d = 4.

Write a program where root parent will be 'A'. Parent will create first child which returns $(d * a)$. Then parent will create second child. This child will calculate $(a + b)$. Moreover, this child will create grandchild which will return $(c - a)$. After receiving value from grandchild, this child will return $[(a + b) + (c - a)]$ to the parent A. Parent A will display the end result of the equation.

TASK 2

Create a program in which user will input a positive integer n. Parent process will create n child processes. Each child process will generate its own random number between 1 to 10 and will return it back to parent using pipe communication. At the end parent should display which number was guessed by most of the Childs.

Example: numbers guessed by 5 Childs are (1,2,5,5,5)

Output will be : 5 is the highest number guessed by 3 Childs.