* I kven an integer value 'n' write a brogram to reverse the given integer using ~ "User-Defined Function". int reverse Integer (int n) } Jp -> 123 $\delta/\rho \rightarrow 321$ TIP -> 120 $O|P \rightarrow 21$ Suppose $n = 123 \rightarrow$ Remember: 123 = 1×100 + 2×10+3 De need to target the single digits of the number. $\int_{0}^{\infty} n = 12\frac{3}{2} \longrightarrow n = \frac{n}{\sqrt{10}} = \frac{123}{20} = \frac{10}{20}$ digit = 3Let's take one = 0 Now, n = n/10Now, ans = ane x10 + digit = 123/10 $= 0 \times 10 + 3$ $ans = ans \times 10 + digit$ $= 3 \times 10 + 2$ Repeat: n./. 10 = 12-/.10 12/10=1=2=321/10 = 0 (Stop) $32 \times 10 + 1 = 311$ am = 0n = 630am = amox10+ digit dist = n % 10 = 1 $= 0 \times 10 + 1$ n = n/10am = am×10+digit = 631/10 int $= 1 \times 10 + 3$ digit = n-1.10 = 63-1.10 = 313×10+6 n = m/10 = 6136 61.10 = 6 $\eta/10 = 6/10$ * Casiest but most important tobic in C & C++ 6> Pointers:> variable -> CPU -> Memory Address The address an be accessed in two ways: 1) Address oberator -> & a 11 Pointer or Référence 9/100 How to get value How to vaing of a pointer? int * pto = & a; Swap (inta, intb) int temp = a; b = temp;Arrays: > Collection of Homogeneous Data (C, CH, Java)
Same data type Python: List [1, 1.2, "a", True] Int arr $]=\{2,3,4,5\}$ Positions of [3,8,6,9,4] Indexes index = pos - 1 | pos = index + 1What's the formula for valenting the dynamic size of an array? 28 = 7 [3,6,9,8)1,0,47 Felements = $7 \times 4 = 28 = ($ Size of (arr) / Size of (arr [o]) 7 = (7 int all [] = $\{1,2,3,4,5\}$; $\{5\}$; $\{6\}$, $\{1,4\}$; $\{6\}$, $\{1,4\}$; $\{6\}$, $\{1,4\}$; $\{6\}$, $\{1,4\}$; $\{6\}$, $\{1,4\}$, $\{1,$