DAY-I

ANKIT PRANJAY

9361533752

ankitpranjay 999 @ gmail. com

$$for(j=1; i'<=n; i'++) \leftarrow n + imeg.$$

$$for(j=1; j'<=n; j++) \leftarrow n + imeg.$$

$$\begin{array}{ccc}
\cdot : & C & \rightarrow & C \cdot (nxn) \\
 & \rightarrow & C(n^2) \\
 & = & O(n^2)
\end{array}$$

if value of n is 3.

Then the "Hi" is printed 9 times.

$$\frac{1}{2} \cdot (n)^{3} = (3)^{2} = 9$$

for (1=1; 12=n; 1\*=3) for (j=1; j(=n; j++) PK ("Hello") 1+3+9+27+81+243+---+ n : n = upto 6 terms. a=1 &:: a= first term & 8:3 dis = common ratiof n: 3 d Here, n: no. of terms ( formulla of GP series are;  $a\left(\frac{1-a^n}{1-a^n}\right)$ -)  $1\left(\frac{1-3^{6}}{1-3}\right)$   $\rightarrow$   $1\left(\frac{1-243}{-2}\right)$ 7 242 - 121

. Hello will be printed 121 times.