**// Josephus problem (recursive)**

int josephus(int n, int k)

{

if (n == 1) return 1;

return (josephus(n - 1, k) + k-1) % n + 1;

}

**//Josephus Problem iterative**

int x=0;

for(int i=2;i<n;i++)

x=(x+k)%i;