→ Modular Arithmatic :

1) $(a+b) \% M = ((a \% M) + (b \% M)) \% M$
2) $(a * b) \% M = ((a \% M) * (b \% M)) \% M$
3) $(a-b) \% M = ((a \% M) - (b \% M) + M) \% M$
4) $(a / b) \% M = ((a \% M) * (b^{-1}) \% M) \% M$

Why we get "Print Modulo 10^9+7" in some problems ?

Ans→ Because sometimes we can't store some value even in long long, so, we compute it till 10^9+7.

We chose 10^9+7 only because :

1) It is very close to maximum value of int.
2) It is a prime number, which makes it easier for us to find multiplicative inverse in case of division formula.