DAY 04 ASSIGNEMENT

Question-01

In the binary search algorithm,it is suggested to calculate the mid as

beg+(end-beg)/2 instead of (beg+end)/2 why is it so?

sol:if the value of start or end or both is int max,it will cause integer overflow

Question-02

write the algorithm/function for ternary search?

sol:f(m1)<f(m2) [l;m1]

f(m1)>f(m2) [l;m2]

f(m1)=f(m2) [m1;m2]

m1=l+(r-l)/3

m2=r-(r-l)/3