## ASSIGNMEN QUESTION DAYI

Q1. What is the time complexity of following code? int 1 =0; for ( int i =0 ; i < n; i++) for lent j'en; jzi ;j--) a = a + i + j

Sno: 0 (n2).

Q2. What is the time complexity of following code? ent count = 0; for ( mit i=1; i<=n ; i=1 \$2) { foslint j=2; j <= i >j++) ount = Count +1;

Ans. o (n logn).

Q.3. Find best case, average case I the worst Case of Linear Search Algorithm.

Ans: Best case: 0(1) Average case: 0 (n) INDIST Case: O(n)