Name Muhammad Ali

Reg.no 19pwcse1801

Section A

Date: __/__/__

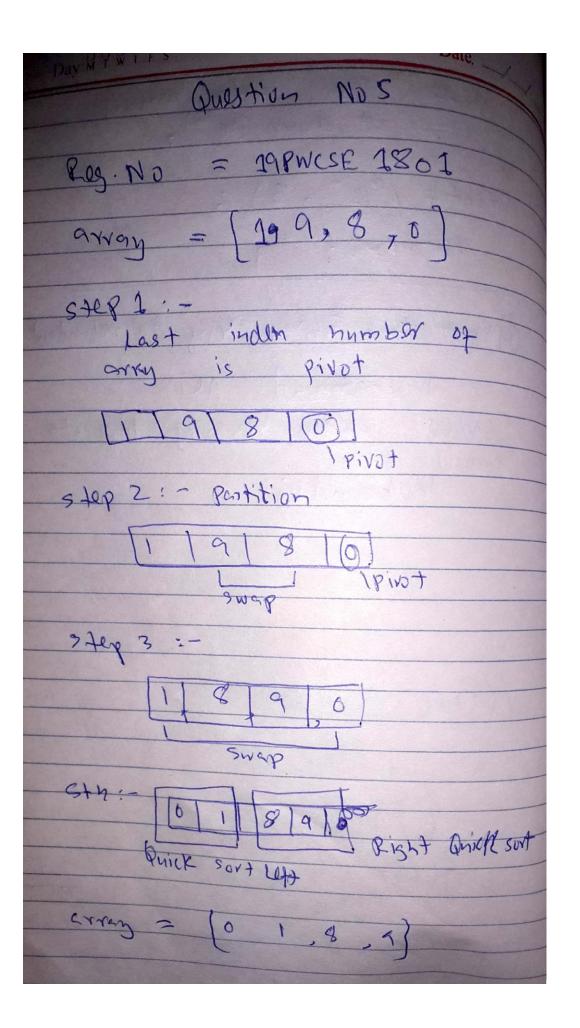
Question No 1 Answers: For a list n items, the best case is when the value equal to the first element of the list. The best case of binsry search algorithm is when the first Comparison is correct means the key item is equal to mid array- So regadless in constant tigge, the best case In the above condition, two algorithms yertorm best asymptotically. But the main teather of using binary search is that it doselot Scan each element in the list. Instead of Scaning each element in the list, so binary search take less time to search an

element as compared to a linear

- Seerch.

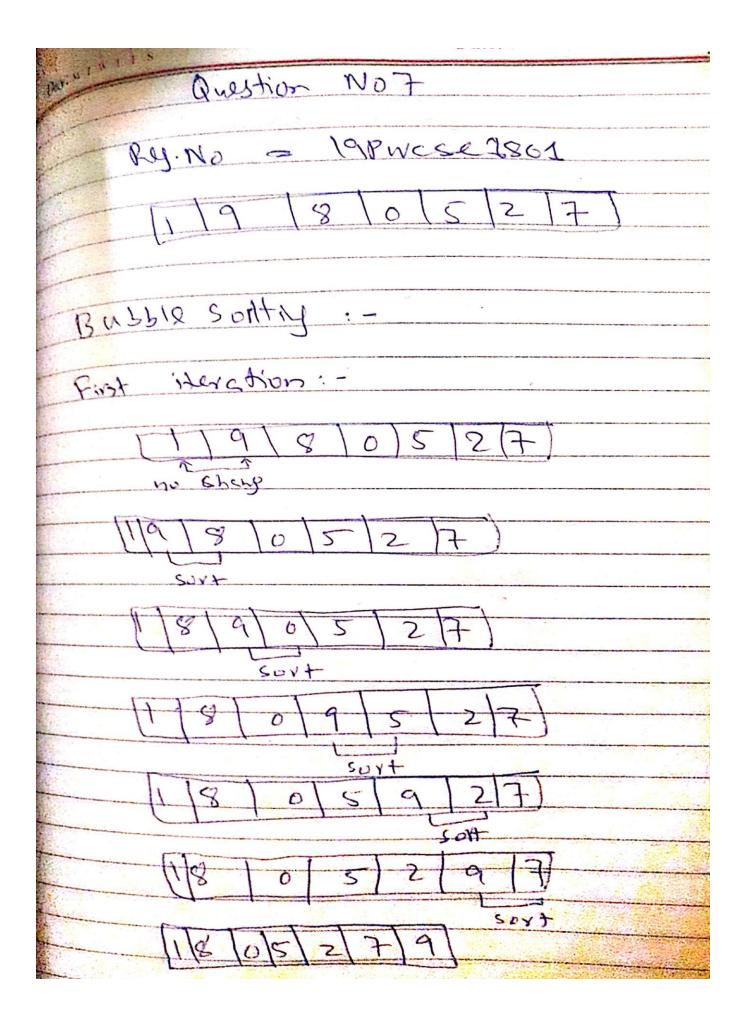
Question No my reg. No = 19PWCE 1801 Code == #include Liostreem> Using namespace std; int main (int arr[] = {1,9,8,0}; Int K = 8; Bor (int s = 4; j>=0; j--) { (on [i] == K) cont << " K value is searched? yother 0; Ont port = 8

Day MTWTFS Question NO 4 Question IVU eliminate redundant element from hame Code: -#includ a string. h> int main () } Char 5 [100] , temp=1 (="1 int i, j, 1c=0 h; Print (" Enter string to redundant"); Sets (s); For (i=0; si(i); i++) } it (is(i) == c)) { 多のイ(j=j+1;s(j); J++) it (2) == (1) 5) +1 S(1) = C; } } For (1=0; s(); 1+ = s[i+ x];



Day: M T W T F S Date: __/__ Prints (" string after removing all displicate"); Printf ("15", 5); returno; } Off tput > Enter string to redundent Muhammad Ali String after removing duplicate. MuhamdLi

Question No 6
Q473 T
Code:
Hinch al Sibstram
using ramspace stal;
class solutions
nl' A P A
string YD (string s intk) {
for int i=1; count=i; i<5.5;20();
17+) >
(Unit = S[i) = Si-1)?
Count +1:1;
if (Count = K)
S = VD(s.substx(o,i-K+1)+
S. Substr (iti), K); {
retuins;
164 115
The main ()
int arr[] = [1, 9, 8, 6]
) ,
in + K = 4;
String arry = (arr(), (c);
5. Solntion;
motor of



Iteration: no Change Sold FYOZ SO YT 319