(wheek 1) Name- Ananya Vishnoi Course - B. Tech CSE (F) Unifollno- 2016635 Subject - DAA { Design an allaysis of algorithm !

Algorithm &

- 1. Take the input array from uses (acj)
- ?. Take element (2) you want to search in the array from user
- 3. Set flag variable as -1.
- 4. 200p: arr[start] arr [end]
 - if marks found, ie auslieuvent position] == 2 then, print "found" current possitive
 - 5. Ofter loop check flag variable -if flag == -1 then print "Not found"
 - 6. STOP

- Aus 2. Algorithm 1. Take input array, left, right and key (n)
 - 2. START LOOP: while (left greates Man ex equal oto right)
 - mid = left + (right-left)/2
 - if (artinid] == 2) then then return mid
 - else of Carr[mid] less than n) then - left = mt/.
 - right = mid -1
 - 3. END LOOP
 - 4. seturn -1

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Shock size = Jsize

3. Start = 0

4. End = Block size

5. While (arr [end] (= key and end (size) do

whart = end

end = end + block size

if lend > size-1) then

end = size
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6. clone 7. fali= start to end -1) do Ey Charray [i] = = key) then seturn i

8. Done

9. return invalid location

10. END.