DATE 10 Oct 23 Activity 4: Write a program to perform bearding admity using dinear and binary search. de lines beard (aro, target): for i'm vance (fen(020)); ors[i] = target: return -1 088=[1,2,3,4,5,6,7,8,9] taxat = 5 result = Unear - Search (arr, to [1, 3, 6, 8, 10, 15]

of result! = (-1', frint f " Element Storget &

from (F" Element & terrent of Element position is: 2 # Binary Search del brasy bearch Carr, tere left, 8) glid = a, lon (078).

while left <= rxfut! mid = left (olghet - left)//2 ty 200 (mid) = toogst

jeturn mid oly one [mid] < target; 1est = mid +1

1-m kgið i sele

retien . of result ! = -1

from (F" Element Etargets found at Inden E Element Starget & not found

1. Linear Search

2. Bineary Search

3. Exit

Enter your choice: 1

6 [1, 3, 6, 8, 10, 15]

1. Linear Search

2. Bineary Search

3. Exit

Enter your choice: 2

[1, 3, 6, 8, 10, 15]Element position is: 4

1. Linear Search

2. Bineary Search

3. Exit

Enter your choice: 3 Exit the program