

Experiment No. 01.

→ Title : Binary search.

Aim : Write a program to implement Binary search technique.

Lab outcome : select appropriate searching technique for given problems.

Practice Questions:-

→ Answer.

→ Algorithm

step 1: start

step 2: calculate mid

step 3: if element is on left side modify high

step 4: if element is on right side modify low

step 5: return mid

step 6: end.

Given list is

5, 13, 18, 24, 30, 48, 60, 71, 77, 89, 100, 122, 150, 172, 180, 193

Low	high	mid
5	193	77 71
77	193	122
77	100	89
		element found

$$\text{mid} = (\text{low} + \text{high}) / 2$$

Q2. Answer.

