**BINARY SEARCH TREE PROJECT**

**A-[7, 5, 1, 8, 3, 6, 0, 9, 4, 2]****->** **Binary Search Tree**

**A.1-)** Binary Search Tree Steps:

If we choose root as 7 ;

Step 1 : 5<7 ->

7

**5**

Step 2 : 1<5 ->

7

5

**1**

Step 3 : 8>7 ->

7

5 **8**

1

Step 4 : 3<5 & 3>1 ->

7

5 8

1

**3**

Step 5 : 6<7 & 6>5 ->

7

5 8

1 **6**

3

Step 6 : 0<1 ->

7

5 8

1 6

**0** 3

Step 7 : 9>8 ->

7

5 8

1 6  **9**

0 3

Step 8 : 4<5 & 4>3 ->

7

5 8

1 6 9

0 3

**4**

Step 9 : 2<5 & 2<3 ->

7

5 8

1 6 9

0 3

**2** 4