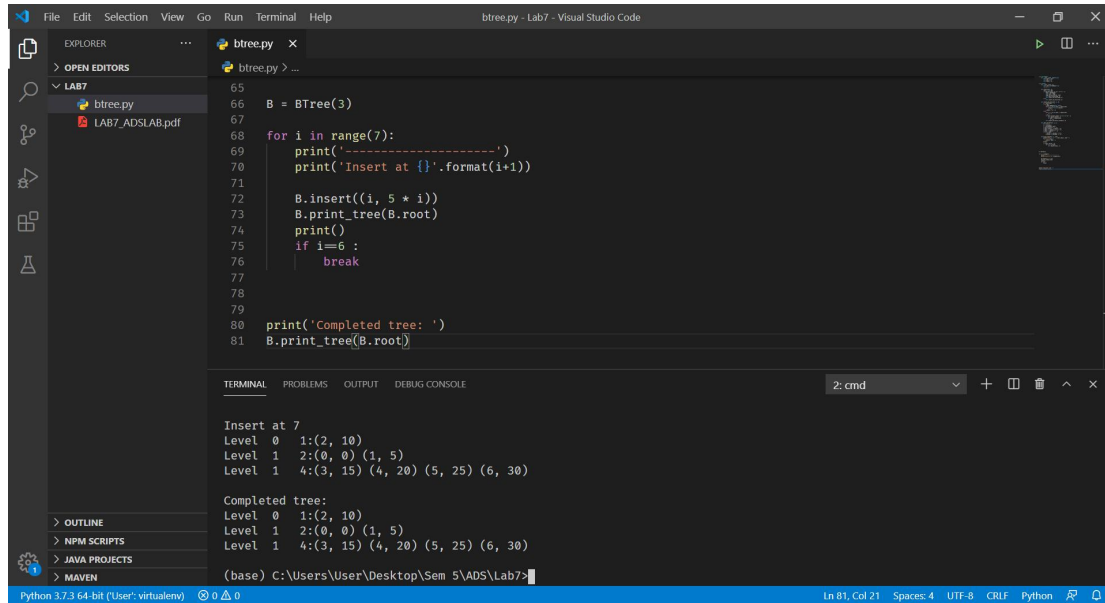


# Output



```
65
66 B = BTree(3)
67
68 for i in range(7):
69     print('-----')
70     print('Insert at {}'.format(i+1))
71
72     B.insert((i, 5 * i))
73     B.print_tree(B.root)
74     print()
75     if i==6 :
76         break
77
78
79
80 print('Completed tree: ')
81 B.print_tree(B.root)
```

Insert at 7  
Level 0 1:(2, 10)  
Level 1 2:(0, 0) (1, 5)  
Level 1 4:(3, 15) (4, 20) (5, 25) (6, 30)

Completed tree:  
Level 0 1:(2, 10)  
Level 1 2:(0, 0) (1, 5)  
Level 1 4:(3, 15) (4, 20) (5, 25) (6, 30)

Complete output:

Insert at 1

Level 0 1:(0, 0)

Insert at 2

Level 0 2:(0, 0) (1, 5)

Insert at 3

Level 0 3:(0, 0) (1, 5) (2, 10)

Insert at 4

Level 0 4:(0, 0) (1, 5) (2, 10) (3, 15)

Insert at 5

Level 0 5:(0, 0) (1, 5) (2, 10) (3, 15) (4, 20)

Insert at 6

Level 0 1:(2, 10)  
Level 1 2:(0, 0) (1, 5)  
Level 1 3:(3, 15) (4, 20) (5, 25)

Insert at 7

Level 0 1:(2, 10)  
Level 1 2:(0, 0) (1, 5)  
Level 1 4:(3, 15) (4, 20) (5, 25) (6, 30)

Completed tree:

Level 0 1:(2, 10)

Level 1 2:(0, 0) (1, 5)

Level 1 4:(3, 15) (4, 20) (5, 25) (6, 30)