```
Mama : Aktadiati khaerul syuhada
kelas: 2B
88000015 min
      : Algoritma Struktur data 2
WE
                    Javaban UAS MO 1
Binary search tree
  Public class Binary Searchtree &
       Public class Mode of
         1 uztrance naliaple ob vogé clazz
            Public int data;
           Public Mode left;
            Public Mode cight ;
         / constructor
            Public Mode (int data) {
               This. data : data;
               This left = non;
               This. right = null;
          // instance variable
             Public node root;
          1 constructor for intialise the root rull by
             Perault
            bopic Biush zesich tree () &
             This.root = null;
           7
          I'm sert method to insert the new date
            Public Mode (int item) &
```

Key: item; it

```
Public Mode Search (Mode root, int key) of
   // Basecase : root is now or not
    12 (root : Hull) &
       I insert the new data, if root is non
           Loot : HEM HOGE (HEMBSLD)!
       1/ return the current root to his sub tree
          return root :
      / Here checiaing For noot data is greater or equal
          to new pata or not else if (root-data 7 : newdat;
         ) {
        // IF current root data is greater than the new date
           then now procees the right sub-tree root. right =
           insert (root . right , new pata).
          & else &
          lif current root data is less than the new data
            then now process the right sub-tree
            root. right : insert (root. right , new pata).
         7
           return root;
         7
           1/Travergal
            Public void pre order () &
                preorder (root);
             4
              Public void pre order (18646 Loot) &
                   if (root = = HU11) &
                    return ;
                 system .out . Print (root . data + " ");
                  Preorder (root left);
                  preorder (root. Right);
              3
```