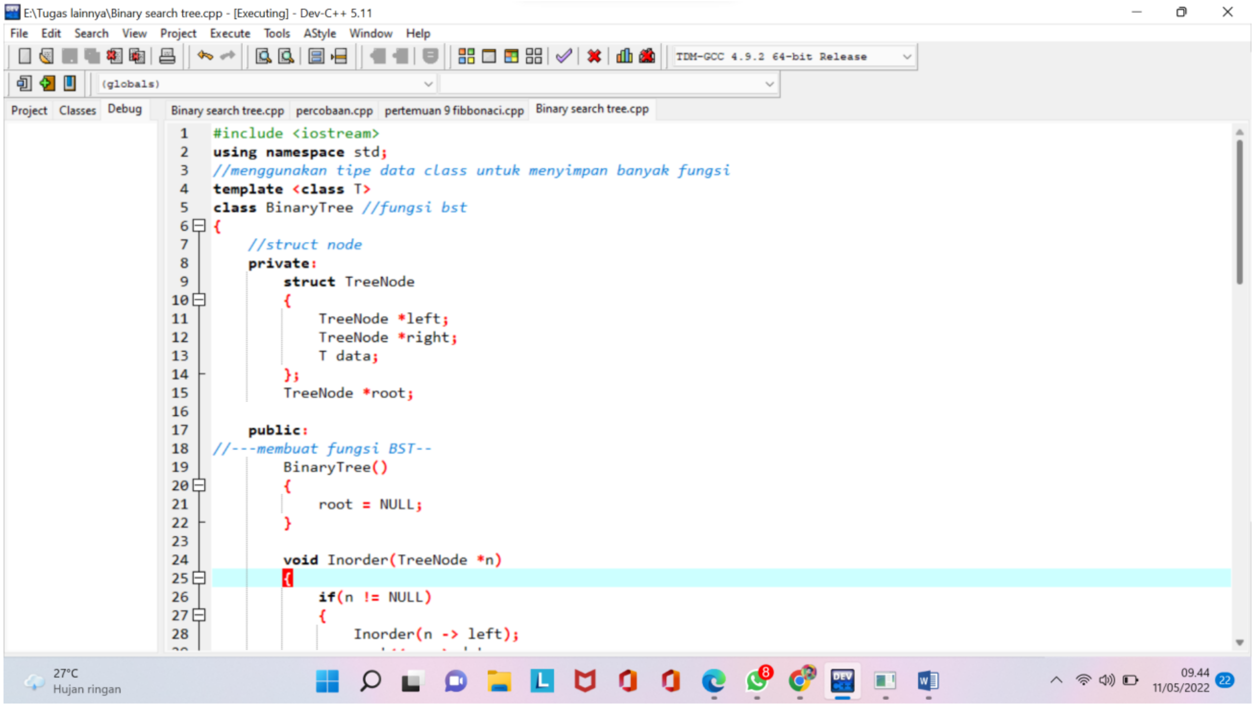
Laporan BST

Codingan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TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
Binary search tree.cpp percobaan.cpp pertemuan 9 fibbonaci.cpp Binary search tree.cpp
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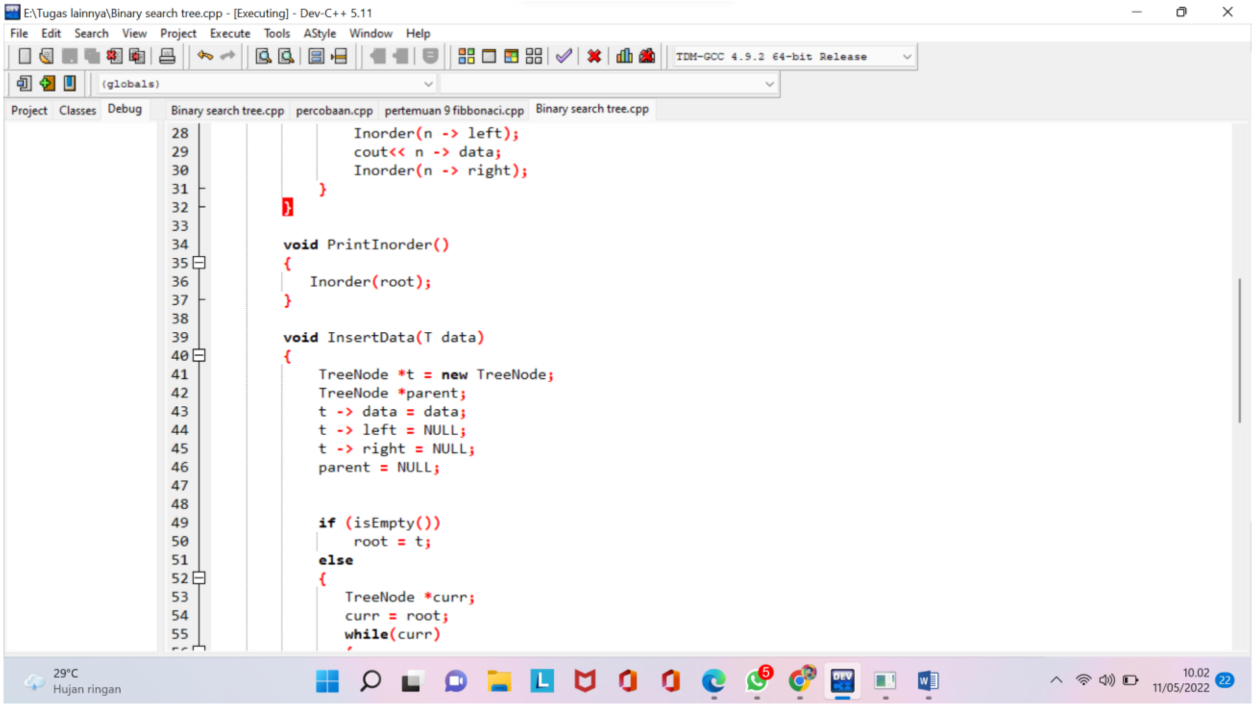
Hujan ringan
09.44
11/05/2022

```cpp
#include <iostream>
using namespace std;
//menggunakan tipe data class untuk menyimpan banyak fungsi
template <class T>
class BinaryTree //fungsi bst
{
    //struct node
    private:
        struct TreeNode
        {
            TreeNode *left;
            TreeNode *right;
            T data;
        };
        TreeNode *root;

    public:
//---membuat fungsi BST--
        BinaryTree()
        {
            root = NULL;
        }

        void Inorder(TreeNode *n)
        {
            if(n != NULL)
            {
                Inorder(n -> left);
```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Project Classes Debug
Binary search tree.cpp percobaan.cpp pertemuan 9 fibbonaci.cpp Binary search tree.cpp
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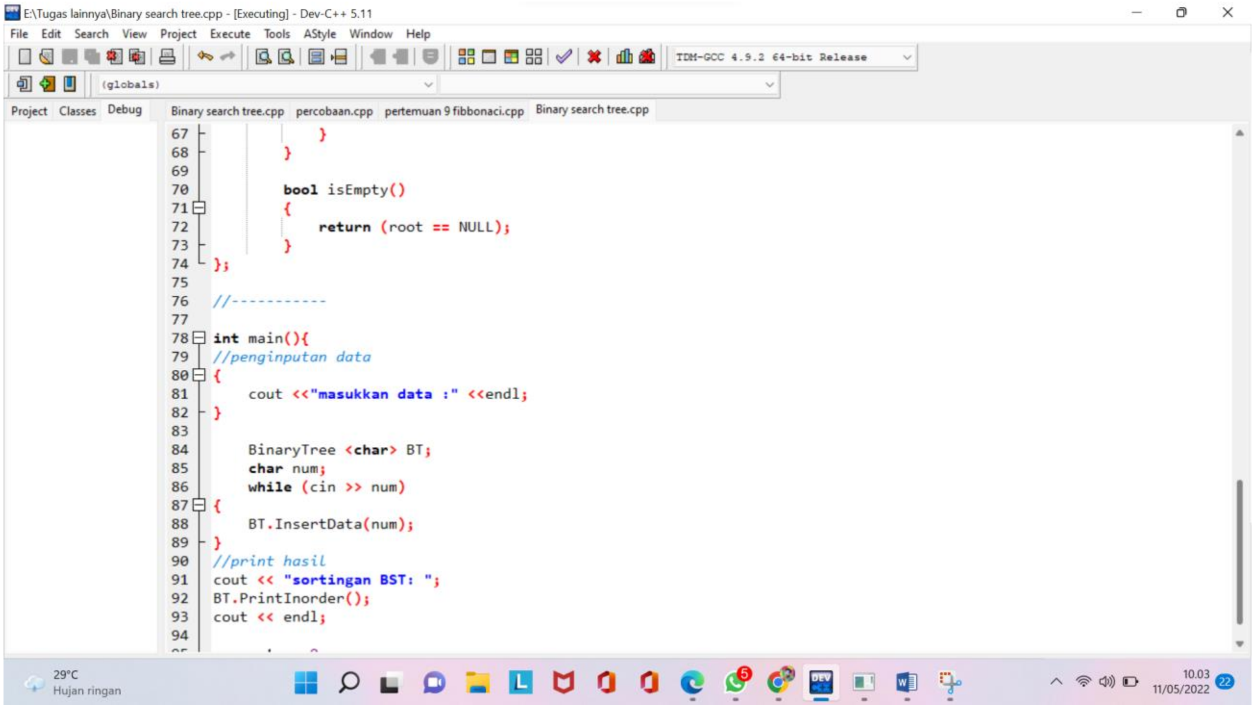
Hujan ringan
10.02
11/05/2022

```cpp
                Inorder(n -> left);
                cout<< n -> data;
                Inorder(n -> right);
            }
        }

        void PrintInorder()
        {
           Inorder(root);
        }

        void InsertData(T data)
        {
            TreeNode *t = new TreeNode;
            TreeNode *parent;
            t -> data = data;
            t -> left = NULL;
            t -> right = NULL;
            parent = NULL;


            if (isEmpty())
                root = t;
            else
            {
               TreeNode *curr;
               curr = root;
               while(curr)
```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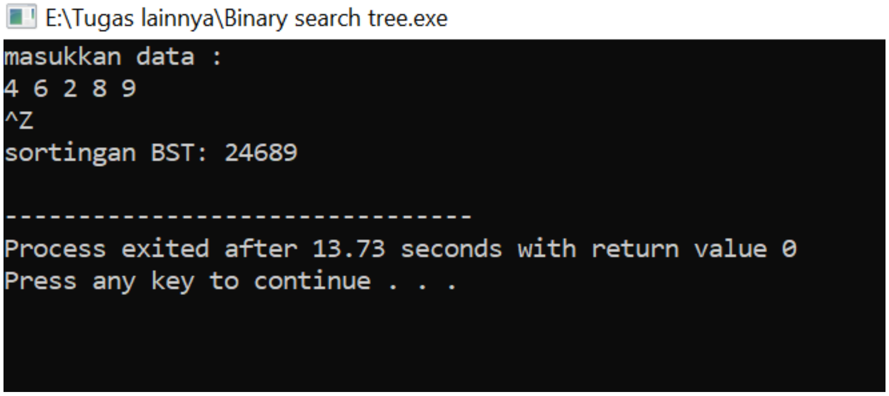
(globals)
Project Classes Debug
Binary search tree.cpp percobaan.cpp pertemuan 9 fibbonaci.cpp Binary search tree.cpp
29°C
Hujan ringan
10.03
11/05/2022

```cpp
            }
        }

        bool isEmpty()
        {
            return (root == NULL);
        }
};

//-----------

int main(){
//penginputan data
{
    cout <<"masukkan data :" <<endl;
}

    BinaryTree <char> BT;
    char num;
    while (cin >> num)
{
    BT.InsertData(num);
}
//print hasil
cout << "sortingan BST: ";
BT.PrintInorder();
cout << endl;
```

Output



```
masukkan data :
4 6 2 8 9
^Z
sortingan BST: 24689

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Process exited after 13.73 seconds with return value 0
Press any key to continue . . .
```