LAB TASK # 08

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20K-0477

Task#01:

• Code

```
© Task#Ol.cpp > ○ main()

1 #includeciostream>
2 #define INT_MIN (-2147483647 - 1)
3 #define INT_MAX 2147483647

4 using namespace std;

6 class Node(
7 class Node(
8 public:
10 Node *left;
11 Node *right;
12
13 Node()
14 {
16 [left = NULL;
    right = NULL;
```

• Output

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS E:\FAST\3rd Semester\DS Lab\Lab Task 08> cd "e:\FAST\3rd Semester\DS Lab\Lab Task 08\"; if ($?) { g++ Task#01.cpp -0 Task#01 }; if ($?) { .\Task #01 }

Not a BST
0 Marks Assigned
PS E:\FAST\3rd Semester\DS Lab\Lab Task 08>
```

Task#02:

• Code

```
C Task#02.cpp X
G Task#02.cpp > 分 Display(Node *)
               key->right = insertBST(key->right, val);
           return key;
      void Display(Node *key)
           if(key==NULL)
          Display(key->left);
          cout << key->data << " ";
          Display(key->right);
           cout << key->data << " ";
      int main()
          Node *key = NULL;
key = insertBST(key, 15);
          insertBST(key, 10);
          insertBST(key, 20);
          insertBST(key, 8);
          insertBST(key, 12);
           insertBST(key, 16);
          insertBST(key, 25);
          Display(key);
```

• Output

```
Windows PowerShell
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PS E:\FAST\3rd Semester\DS Lab\Lab Task 08> cd "e:\FAST\3rd Semester\DS Lab\Lab Task 08\"; if ($?) { g++ Task#02.cpp -0 Task#02 }; if ($?) { .\Task #02 }

8 8 10 12 12 10 15 16 16 20 25 25 20 15
PS E:\FAST\3rd Semester\DS Lab\Lab Task 08>
```