**Implementaion of Binary Search Tree using C Programming Language**

#include<stdio.h>

#include<conio.h>

#include<stdlib.h>

struct node

{

int data;

struct node \*left;

struct node \*right;

};

void inorder(struct node \*root)

{

if(root)

{

inorder(root->left);

printf(" %d",root->data);

inorder(root->right);

}

}

int main()

{

int n , i;

struct node \*p , \*q , \*root;

printf("Enter the number of nodes to be insert: ");

scanf("%d",&n);

printf("\nPlease enter the numbers to be insert: ");

for(i=0;i<i++)

{

p = (struct node\*)malloc(sizeof(struct node));

scanf("%d",&p->data);

p->left = NULL;

p->right = NULL;

if(i == 0)

{

root = p; // root always point to the root node

}

else

{

q = root; // q is used to traverse the tree

while(1)

{

if(p->data > q->data)

{

if(q->right == NULL)

{

q->right = p;

break;

}

else

q = q->right;

}

else

{

if(q->left == NULL)

{

q->left = p;

break;

}

else

q = q->left;

}

}

}

}

printf("\nBinary Search Tree nodes in Inorder Traversal: ");

inorder(root);

printf("\n");

return 0;

}