```
#include <stdio.h>
#include <stdlib.h>
typedef struct node
   int data;
   struct node *left;
ab *root, *temp, *temp1;
ab *createnode(ab *root, int 1)
      root = malloc(sizeof(ab));
       root->data = 1;
       root->left = root->right = NULL;
       return root;
       root->right = createnode(root->right, 1);
       printf("same data cannot be entered inside a binary search tree or
binary tree in general\n");
   return root;
void postorder(ab *root)
       postorder(root->left);
       postorder(root->right);
       printf("%d ", root->data);
```

```
void preorder(ab *root)
      printf("%d ", root->data);
       preorder(root->left);
      preorder(root->right);
void inorder(ab *root)
       inorder(root->left);
       printf("%d ", root->data);
       inorder(root->right);
int getrightmin(ab *root)
   temp1 = root;
   while (temp1->left != NULL)
       temp1 = temp1->left;
   return temp1->data;
ab *delete (ab *root, int n)
       printf("the element doesnt exist in the BST\n");
       return root;
```

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if (n != root->data)
   if (n < root->data)
       root->left = delete (root->left, n);
   return root;
       root->right = delete (root->right, n);
   if (root->left == NULL && root->right == NULL)
       free(root);
   if (root->left != NULL && root->right == NULL)
       temp = root->left;
       free(root);
       return temp;
       temp = root->right;
       free(root);
      return temp;
   if (root->left != NULL && root->right != NULL)
```

```
temp = root;
           int rightmin = getrightmin(root->right);
           root->data = rightmin;
           root->right = delete (root->right, rightmin);
   return root;
int main()
   printf("enter the number of nodes you want in your binary search
   root = NULL;
       int 1;
       printf("enter the data you want to enter in the node\n");
       scanf("%d", &1);
       root = createnode(root, 1);
   printf("this is the postorder of the binary search tree---->\n");
   postorder(root);
   printf("\n");
   printf("this is the preorder of the binary search tree---->\n");
   printf("\n");
   printf("this is the inorder of the binary search tree---->\n");
   inorder(root);
   printf("\nenter the number you want to delete from the node \n");
   scanf("%d", &n);
   root = delete (root, n);
   printf("this is the postorder of the binary search tree after
```

```
postorder(root);
return 0;
}
```