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Programs on Binary Trees

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```
//Returns the smallest element in Binary Search Tree
int minimum(struct tnode *t)
{
  while(t->left!=NULL)
  t=t->left;
  return(t->data);
}
```



```
//Returns the largest element in Binary Search Tree
int maximum(struct tnode *t)
{
  while(t->right!=NULL)
  t=t->right;
  return(t->data);
}
```



```
//Computes the height of a Binary Tree
int height(struct tnode *t)
  if(t==NULL)
   return -1;
  if((t->left==NULL)&&(t->right==NULL))
   return 0;
  return (1+max(height(r->left),height(r->right)));
```



```
//Count the number of leaf nodes in a Binary Tree
int leafcount(struct tnode *t)
 if(t==NULL)
  return 0;
 if((t->left==NULL)&&(t->right==NULL))
  return 1;
 int l=leafcount(t->left);
 int r=leafcount(t->right);
 return(l+r);
```



THANK YOU

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