**NOTRE DAME UNIVERSITY BANGLADESH**



Data Structure Report

Task- 06

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Subject: Data Structure

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Batch: CSE-19

**Post Order**  
#include<stdio.h>  
int n=15;  
char T[]={'\0','D','B','F','A','C','E','G','\0','\0','\0','\0','\0','\0','H'};  
int lc(int i)  
{  
    if (T[i]!='\0' && (2\*i)<=n)  
        return (2\*i);  
    return -1;  
}  
int rc(int i)  
{  
    if (T[i]!='\0' && ((2\*i)+1)<=n)  
        return (2\*i)+1;  
    return -1;  
}  
void postorder (int i)  
{  
    if (i>0 && T[i]!='\0')  
    {postorder(lc(i));  
    postorder(rc(i));  
    printf("%c", T[i]);}  
}  
int main()  
{  
    int a ;  
    printf("please enter the root index :\n");  
    scanf("%d",&a);  
    postorder(a);  
    return 0;  
}