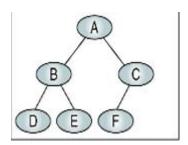
Ripunjay Narula (19BCE0470) Assigment-7

Implement the binary tree using an array.



Code:

```
#include <stdio.h>
#include <stdlib.h>
char tree[10];
void root(char key)
{
if(tree[0]!='\0')
printf("Root already present");
else
tree[0]=key;
void lchild(char key,int parent)
if(tree[parent]=='\0')
printf( "\nCan't put child at %d, parent not present ", ((parent*2)+ 1));
else
tree[(parent*2)+ 1]=key;
void rchild(char key,int parent)
if(tree[parent]=='\0')
printf( "\nCan't put child at %d, parent not present ", ((parent*2)+ 2));
else
tree[(parent*2)+ 2]=key;
void ip_tree()
```

```
{
int i;
printf("\n");
for(i=0;i<10;i++)
if(tree[i] != '\0')
printf("%c ",tree[i]);
else
printf(" ");
int main()
root('A');
lchild('B',0);
rchild('C',0);
lchild('D',1);
rchild('E',1);
lchild('F',2);
ip_tree();
return 0;
```

Screenshot:

