```
J. Anukesh
                                                     1BM1805038
                    B-7-866
                                                      11/11/2020
                 Mrite-up
                                                      THE
void BTree: : insert (int k)
    : f (200) == NOTT)
         root = new Node (+, true);
         root -> key[o]=k;
         root -> n=1;
     3
     else
      }
         if (root ->n== 2*t-1)
             Node *s = new Node(t, false).
             5-> C[0] = 8000;
             s-) splitchild (o, root);
             int 1=0",
             if (s >key[o] < k)
              5-) ([i] -> insert NonFull(k).
             800t=5:
           3
              root -) insest NonFull (K);
        3
 3
void Node: : insert Monfull (int h)
1
    int i= m -1:
    if (1 == true)
                          11 & is leaf here
        while (iz=0&& key[i]>k)
           Key[:+D = key[:];
        key [i+1]=k;
        n=n+1;
                                             Scanned with CamScanner
```

```
2
    else
    ٤
       while (i>=0&& key [i]>k)
        if (c[:+1] >n==2*t-1)
            5 blif (pil) (i+1) fl+1);
            if (key (+1] LK)
               "++",
          ((i+i) -> insert Nonfull(k);
     3
3
Void
      Node: : splitchild (int i, int *y)
 2
     Node * z = new Node (y-st, y->1);
     z -> n= tal:
      for (int j=0; j~t-1; j++)
         z->key[j]=y->key[j+t];
      if (y-sl == false)
           for (int 1:0; 12t; 1+1)
             z > ([;]=+ > ([;+t];
       1-)n=t-10
        for (int j=n; j=i+1; j--)
           ([;+1] = [[;];
        ([i+i]=z;
        for (int j=n-1; j>=i; j--)
            Key [;+1] = Key [;];
         key[i] = y -> key[t-1];
         カニのもり
  3
```

J. Anukesh 1BM18(5038 11/11/2020