```
ADS LAB-10
                                                                                K. ARUN TEJA
                                                                                 1BM18CSOY1
@ Write-Up_
                                                                                  5A [A2]
  public void delete (int value) {
                 ((Nodes!= no11) && (Nodes. Lind Node With Key (Value) != no11)) [
                                    decrease key latue (value, find Minimum 17 - 1);
                                     extract Mines;
                      decrease Keg Value (int old-value, int new ralue) &
     public
              Dior
                    Painomial Heap Node temp = Noder find Node With Key (old-value);
                         ( temp == noil)
                                 neturn;
                       temp.okey = new-value;
                      Binomial Heap Node temp Parent = temp. Parent =
                       while (GenpParent != noll) be (Jempkey < tempParent key)) 5
                                     int 2 = temp-key;
                                     temp. key = tempParent. key;
                                      temp Parent, key = 2;
                                       temp = tempParent;
                                       temp Parent = tempParent. parent;
                        3.
            Binomial Heap Node Sind Node Withkey (int value) &
   public
                 Binomial HeapNode temp = this, node = null;
                   while (temp!=null) &
                            if (tempo key == value) 2
                                           node = temp;
                                            break,
                             if ( Jemp. child == noll) {
                                        temp = temp sibling;
                                else S
                                      node = temp. Child. find Node Withkey (value);
                                       if (node == null)
                                                 demp = demp sibling;
                                        else break;
```

raturn node;