Khaithik.s.Anand IBM18Cs046 ADS LAB

```
Insortion:
void insert (int key)
        index = int ( key % max );
        pta [index] = (node-type +) malloc (size of (node-type));
        ptr[index] -> data = key;
         [ last [index] == NVLL)
               Root [ index] = ptx [ index];
               root[index] -) next = NVLLi
               temp [index] = ptx[index];
         else
               temp[index] = god[index];
               while (temp[index] > next != NVLL)
                     temp[temp] = temp[ind=>] - next;
                RetempCindex] -> next = ptaCindex];
```

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```
Secretive
roid Search (int key)
{
int play = 0
index = int (key % max);
index = int (xey % max);
      temp[index]= noot[index];
       while (temp [index ]! = NULL)
            if (temp Cindex ] ->data = = key

cont < "In Search key is faund";

llag = 1;
                  brenk;
            else temp [index] = temp [index] -) next;
        if ( flag == 0)
                 conte "In search key not found";
```

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KHithik.S. Anand
1BMUBCS046
ADS-LAB
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```
Dolete:
void delete (int key)
      index = int (key 1/2 max);
      temp [index ] = 200+[index];
      while (temp [index] > data ! = key to be temp [index] != NULL)
           pta [index]= temp [index];
           temp [index] = temp[index], next;
        pta[index] I next = temp [index]; next;
cont«"In" « temp[index] » data «" has been deleted",
         temp [index] > data = -1;
         templinder] = NVLL;
         free (temp[index]);
```