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Name: Saakshi Navale
 IBM18CS088
  Kab9: Dictionary using Hashing
     #Indude 2 bits/std c++ h>
     using nomespace std;
      dass HashTable
     & public: liste > hash; rector ( list < pair <int, int >> hash; rector < list < pair <int, int >> hash;
           int max-indea;
          int hashvalue (int haday);
          gint get value (int key);
           void insert (Int my) just val)
           Hash Table ( )int max-val)
    HashTable: HashTable (Int max-index)
           this max _index = max _index;
           this. hashs vector (int) (max_index);
                             witchairzint, int>
int HashTable: hashValue (int key)
           return key% max_inder;
      get ta Hash Table: ; get Value (int key)
```

int hash ral = hash Value (key);

int

```
tor (auto it = hash.begin (); it! = hash.end (); it++)
            it ( tit == key)
                if (it + first == key) outurn it + second;
   outurn -1;
       cinsert (int key, int value)
void
      int hash val = get hash Value (key);
        hash [hashral]. push-back (? kuy, value 3);
         print Hash ()
void
       tor Cint 1:0; ix max-size ; i++)
           cont LKILK"!" Ex;
           for Couto it = hash[i]. begin (); it] = hash[i]. end; it++)
                  contex it + first <<"," Leit + second LL"
           cout exend;
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