DATE:-21/09/22

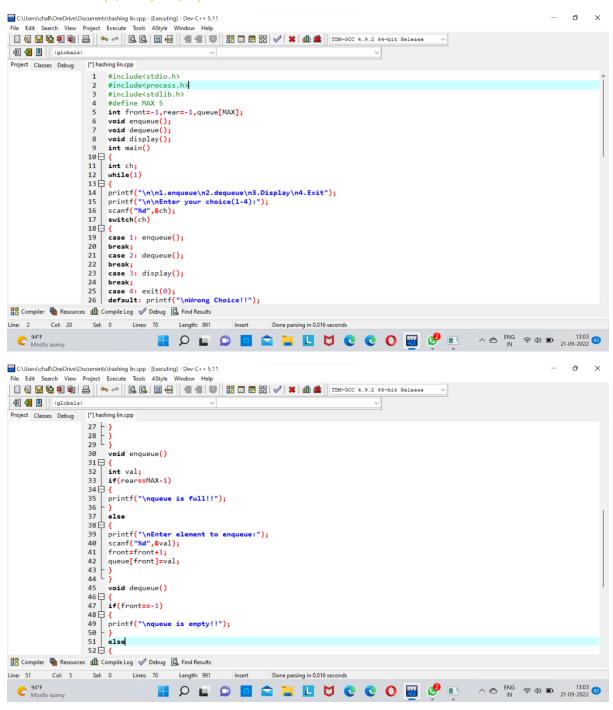
COURSE NAME:-DATA STRUCTURES FOR EXPRESSION EVALUATION

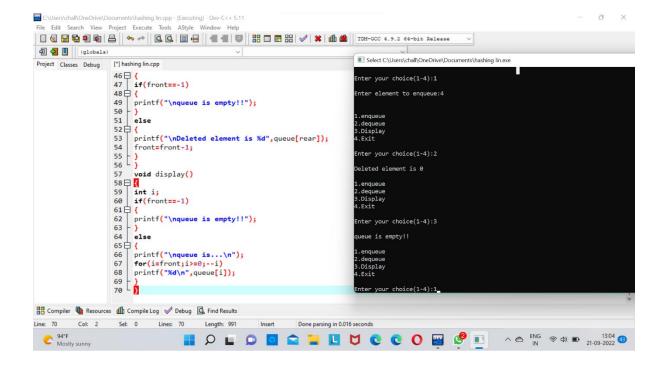
COURSE CODE:-CSA0374

NAME OF THE STUDENT:-CH.INDHU PRIYA

REGNO:-192111191

EXPERIMENT:12(QUEUE, DEQUE)

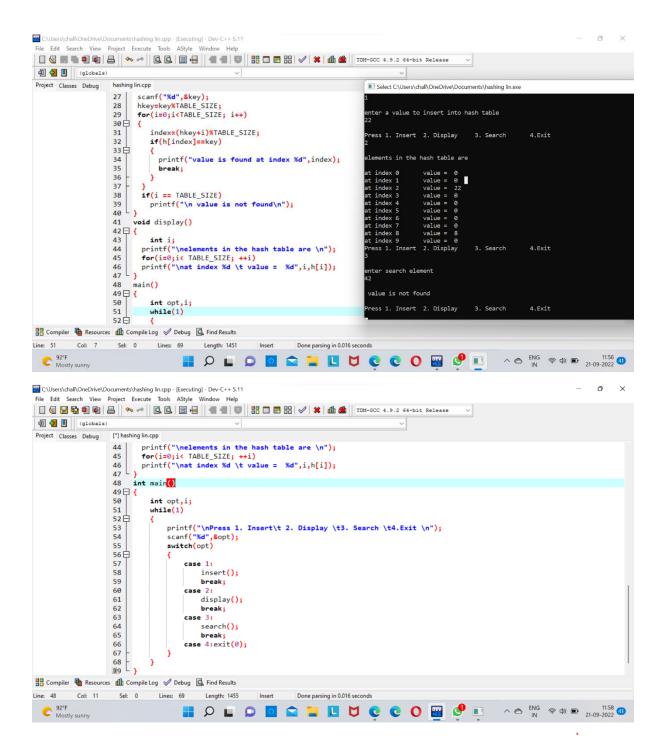




EXPERIMENT: -13 (HASHING USING LINEARPROBING)

```
C:\Users\chall\OneDrive\Documents\hashing lin.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help
                                                                                                                                                                                                                       0
 □ 🔞 💀 🐿 🚳 🖺 📥 🖊 🚾 🖟 🖟 🖟 🖟 🕳 🖂 🕳 🕳 🕳 🕳 🕳 🕳 🕳 🕳 🚾 🖽 🚳 🛣 IDM-GCC 4.9.2 64-bit Release
  (globals)
 Project Classes Debug hashing lin.cpp
                                1 #include<stdio.h>
                                      #include<stdlib.h>
                                      #define TABLE_SIZE 10
int h[TABLE_SIZE]={NULL};
                                       void insert()
                                6日 (
                                        int key,index,i,flag=0,hkey;
                                7
8
9
                                       printf("\nenter a value to insert into hash table\n");
scanf("%d",&key);
hkey=key%TABLE_SIZE;
                               10
                                        for(i=0;i<TABLE_SIZE;i++)</pre>
                                                                                                                     Select C:\Users\chall\OneDrive\Documents\hashing lin.exe
                               12
                                              index=(hkey+i)%TABLE_SIZE;
if(h[index] == NULL)
                              13
14
15 日
                                           if(h[1mo.
{
    h[index]=key;
    break;
                                                                                                                      enter a value to insert into hash table
                               16
17
                                                                                                                    Press 1. Insert 2. Display 3. Search
                                             break;
                                                                                                                                                                                   4.Exit
                               18
                                                                                                                    elements in the hash table are
                                            if(i == TABLE_SIZE)
                                           if(i == TABLE_SIZE)
printf("\nelement cannot be inserted\n");
at index 0
at index 1
at index 2
at index 2
at index 3
at index 3
at index 4
at index 3
at index 4
at index 3
at index 4
at index 6
at index 7
at index 7
at index 7
at index 7
at index 8
at index 7
at index 7
at index 7
at index 9
                               20
                                                                                                                                          value = 0
value = 22
value = 0
value = 8
value = 8
                               21 22 }
                                       void search()
                               23
                               24日 {
 int key,index,i,flag=0,hkey;
25 printf("\nenter search element\n");
Compiler Resources CompileLog Debug Si, Find Results
 Line: 1
             Col: 11
                                                         92°F
Mostly sunny
```



EXPERIMENT:-14(INSERTION SORT)

