

C:\Users\SRIKANTH\Documents\Custom Office Templates\program 15.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals) TDM-GCC 4.9.2 64-bit Release

Project Classes Debug

program 15.cpp [*] program 13.cpp

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  #define TABLE_SIZE 10
4
5  int h[TABLE_SIZE]={NULL};
6
7  void insert()
8  {
9
10     int key,index,i,flag=0,hkey;
11     printf("\nEnter a value to insert into hash table\n");
12     scanf("%d",&key);
13     hkey=key%TABLE_SIZE;
14     for(i=0;i<TABLE_SIZE;i++)
15     {
16
17         index=(hkey+i)%TABLE_SIZE;
18
19         if(h[index] == NULL)
20         {
21             h[index]=key;
22             break;
23         }
24     }
25 }
26
27 if(i == TABLE_SIZE)
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\SRIKANTH\Documents\Custom Office Templates\program 15.exe
- Output Size: 129.8740234375 KiB
- Compilation Time: 0.25s

Line: 6 Col: 1 Sel: 0 Lines: 83 Length: 1481 Insert Done parsing in 0.031 seconds

C:\Users\SRIKANTH\Documents\Custom Office Templates\program 15.exe

```
Press 1. Insert 2. Display 3. Search 4.Exit
1
Enter a value to insert into hash table
12
Press 1. Insert 2. Display 3. Search 4.Exit
1
Enter a value to insert into hash table
13
Press 1. Insert 2. Display 3. Search 4.Exit
1
Enter a value to insert into hash table
22
Press 1. Insert 2. Display 3. Search 4.Exit
2
elements in the hash table are
at index 0 value = 0
at index 1 value = 0
at index 2 value = 12
at index 3 value = 13
at index 4 value = 22
at index 5 value = 0
```