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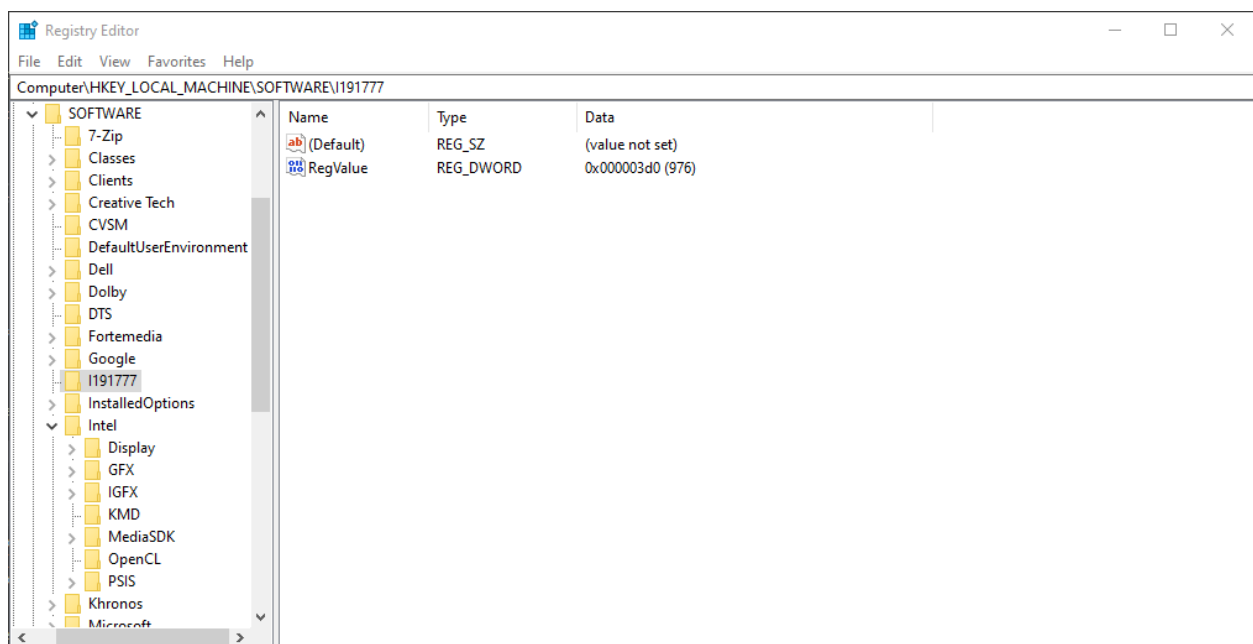
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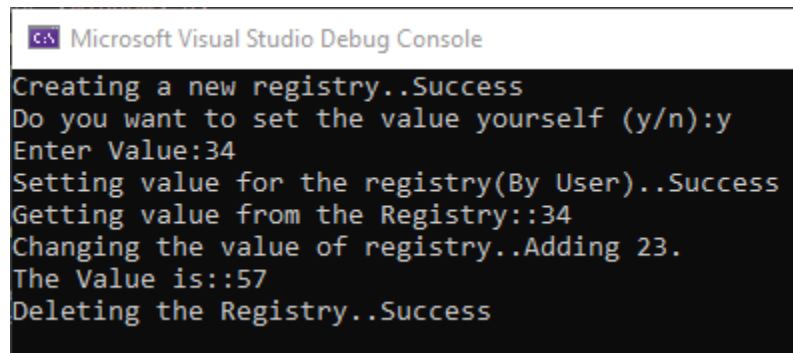**_Date: 08-05-2022_**

Submitted To: Sir Jawad Hassan

Assignment: 3

I have submitted 2 files inside the compressed file, First I Created the Dynamic Link Library which is implemented in RegLibary some functions are used to create add registry value and to change the registry and lastly delete the Registry created, The RegClient is the C++ program which uses the DLL to create/modify/alter/delete the registry the algorithm is simple and is easy to understand after you run the program.

This is the Screenshot of the Registry Editor is showing the Created registry with my roll number the Value was set to '999' of RegValue and then it was modified to 976 by subtracting 23 from the registry though I Have changed the code so 23 may be added now to the Registry Value.This ScreenShot was Taken Before Executing the delete registry function.

The Output:


```
Microsoft Visual Studio Debug Console
Creating a new registry..Success
Do you want to set the value yourself (y/n):y
Enter Value:34
Setting value for the registry(By User)..Success
Getting value from the Registry::34
Changing the value of registry..Adding 23.
The Value is::57
Deleting the Registry..Success
```

This Screenshot shows the actual Output of the Program from the creation to the Deletion, as you can see I have altered the RegistryValue.**Win32 API** is the API and winreg.h is the header file which is used to Change the Registry.The Functions Used:

1. RegSetValueEx
2. RegQueryValueEx
3. RegDeleteKeyEx
4. RegCreateKeyEx