}

13:56

```
//metal.dll
                                                        //glass.dll
class MetalForm: public AbstractForm{};
                                                        class GlassForm: public AbstractForm{};
class MetalFactory: public AbstractFactory{};
                                                        class GlassFactory: public AbstractFactory{};
UIFactory * CreateFactory(){ new MetalFactory();}
                                                        UIFactory * CreateFactory(){ new GlassFactory();}
                          //Core.dll
                          typedef UIFactory * (*FactoryMethod)();
                          UIFactory * GetFactory( char * dllPath) {
                              //Step 3. load dll
                              HRESULT dll= LoadLibrary(dllPath);
                              if(dll==NULL)
                                  return new DefaultFactory();
                              //Step 4 Get Factory Method Pointer
                              FactoryMethod factory= (FactoryMethod) GetProcAddress(dll,"CreateFactory");
                              if(factory==NULL)
                                  return new DefaultFactory();
                              return factory(); //run the function that returns the object
                          }
                void main(int argc, char ** argv){
                    UIFactory * ui = GetFactory(argv[1]);
                    UIForm * form= ui->CreateForm();
```