**CS609 Assignment #2 Fall 2023**

Name: Abdul Rehman.

VU-ID: BC220424444.

**Main Code:**

/\* Name: Abdul Rehman

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\*/

#include <iostream>

#include <windows.h>

#include <tchar.h>

int main(){

STARTUPINFO si = {sizeof(STARTUPINFO)};

PROCESS\_INFORMATION pi;

//Set path to the executable program.

\_TCHAR szPath[MAX\_PATH];

\_sntprintf(szPath, MAX\_PATH, \_T("%s\\PrintText.exe"), \_T("C:\\Users\\Public\\Documents"));

//Creating the child process.

if (CreateProcess(

szPath, NULL, NULL, NULL, FALSE, 0, NULL, NULL, &si, &pi))

{

std::cout<<"Child process is successfully created. \nID: "<<pi.dwProcessId<<"\nThread ID: "<<pi.dwThreadId<<std::endl;

// Waiting for child process to complete.

WaitForSingleObject(pi.hProcess, INFINITE);

// Closing the process and thread handles.

CloseHandle(pi.hProcess);

CloseHandle(pi.hThread);

}

else{

std::cerr<<"Error creating child process. Error code: "<<GetLastError() <<std::endl;

}

return 0;

}

**PrintText Code:**

#include <iostream>

int main(){

for (int i = 0; i < 5; ++i){

std::cout<<"Name: Abdul Rehman"<< std::endl;

std::cout<<"Roll Number: BC220424444\n"<< std::endl;

}

return 0;

}

//End.