**LAB 4**

**AIM:**

To disassemble an exe file having a “hello world” program written in C.

**SOFTWARE REQUIRED:**

Code::Blocks, IDA Freeware

**INTRODUCTION:**

Assembly language is a low-level programming language for a computer or other programmable device.

The Interactive Disassembler (IDA) is a disassembler for computer software which generates assembly language source code from machine-executable code. It supports a variety of executable formats for different processors and operating systems.

IDA is used widely in software reverse engineering, including for malware analysis and software vulnerability research.

**Program**

**C code:**

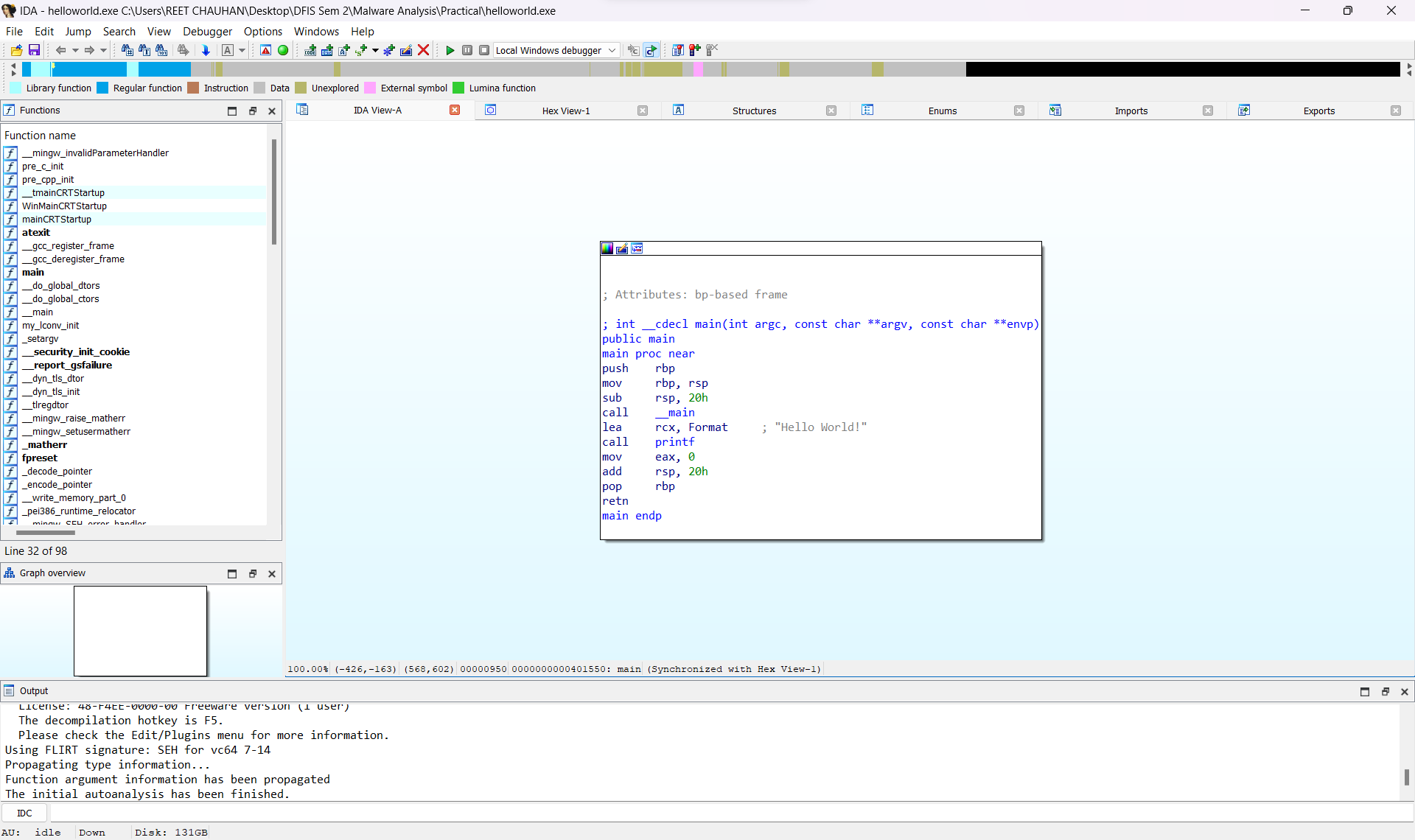
#include <stdio.h>

int main() {

printf("Hello World!");

return 0; }

**Disassembled code:**

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