## COAL\_A\_p200165\_R1

## Introduction:

In our first lab we are going to install **masm 32 bit** in our operating system. Masm is basically is our compiler or assembler that will be used to assemble our code. Through masm our code is assembled into **Machine Code** and that code will be executed, and we are going to run **Hello World** program in masm.

## Download the Masm:

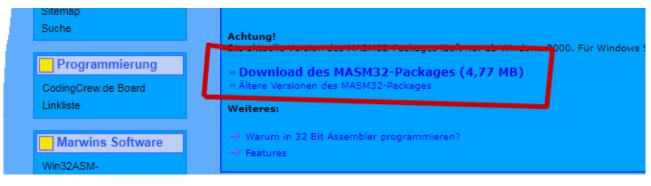
First we have downloaded **Masm 32** in our first lab. To Download the Masm Just search on google **Masm 32 Download** the very first link will be of the masm website and you can download Masm from their.

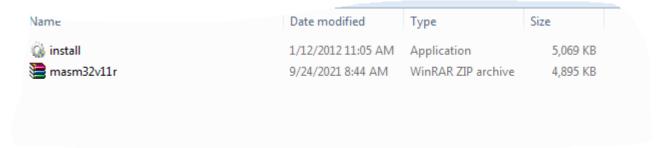


This interface will be seen we have to just click on the **Download** button and that will take us to **Download** Link.

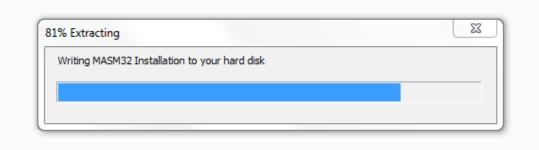


In our case when we are installing in Lab the **Western Europe is worked** or just select any of the server. Then click on Download button the **Masm** will be downloaded in your system.





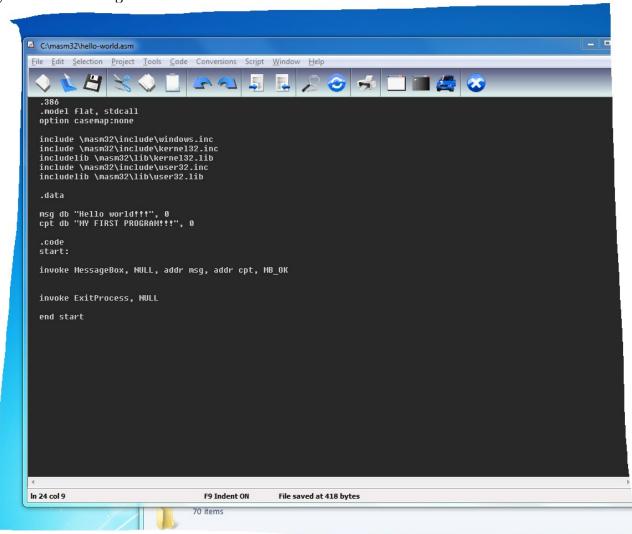
We have Extract the **masm32v11r** and just double click on the extracted file and select the directory where you want to install **masm**. Once that it will ask for a lot of confirmations just **Ok** ... and masm will be installed in your system.



This file will be opened after successful installation of **Masm.** 



Now we have runned our Hello world program in masm. The shortcut of masm is added to **desktop** and past this code and save the file in the **masm32** folder. This folder will be in the directory which you selected during installation.



This is the code that will produce **Hello world.** We have copied this code and select on

- project
- build-all

Then **.com** file will be generated by masm that will be our output file. Just type your file name in command prompt and you will see the output.

