./

GENESIS – Embedded C Hardware Programming



|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Ver. Rel. No.** | **Release Date** | **Prepared. By** | **Reviewed By** | **To be Approved** | **Remarks/Revision Details** |
| 1.0 | 02/01/2021 | Chaitanya P |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**Details**

Contents

[1 Contents 3](#_Toc60714580)

[2 ACTIVITY 1: PERFORM BUILD USING GIT BASH 3](#_Toc60714581)

[2.1 MAIN FILE 4](#_Toc60714582)

[3 ACTIVITY 2: LINKER SCRIPT 4](#_Toc60714583)

[4 ACTIVITY 3: STARTUP CODE 5](#_Toc60714584)

[5 ACTIVITY 4: BUILD USING MAKEFILE 6](#_Toc60714585)

[5.1 SCREENSHOT OF OUTPUT AFTER RUNNING MAKE 7](#_Toc60714586)

[5.2 GITHUB LINK 8](#_Toc60714587)

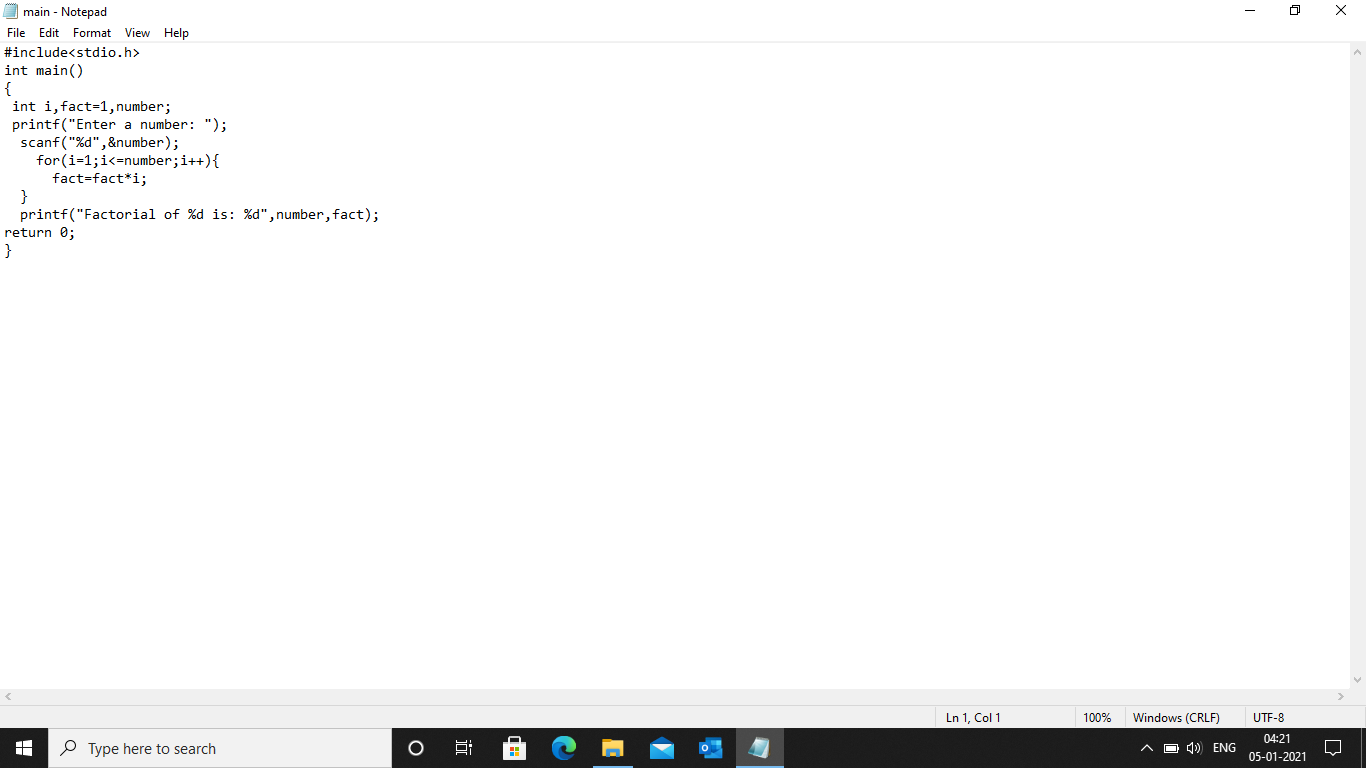
[6 MINIPROJECT 8](#_Toc60714588)

[6.1 SCREENSHOT OF CODE IMPLEMENTATION 9](#_Toc60714589)

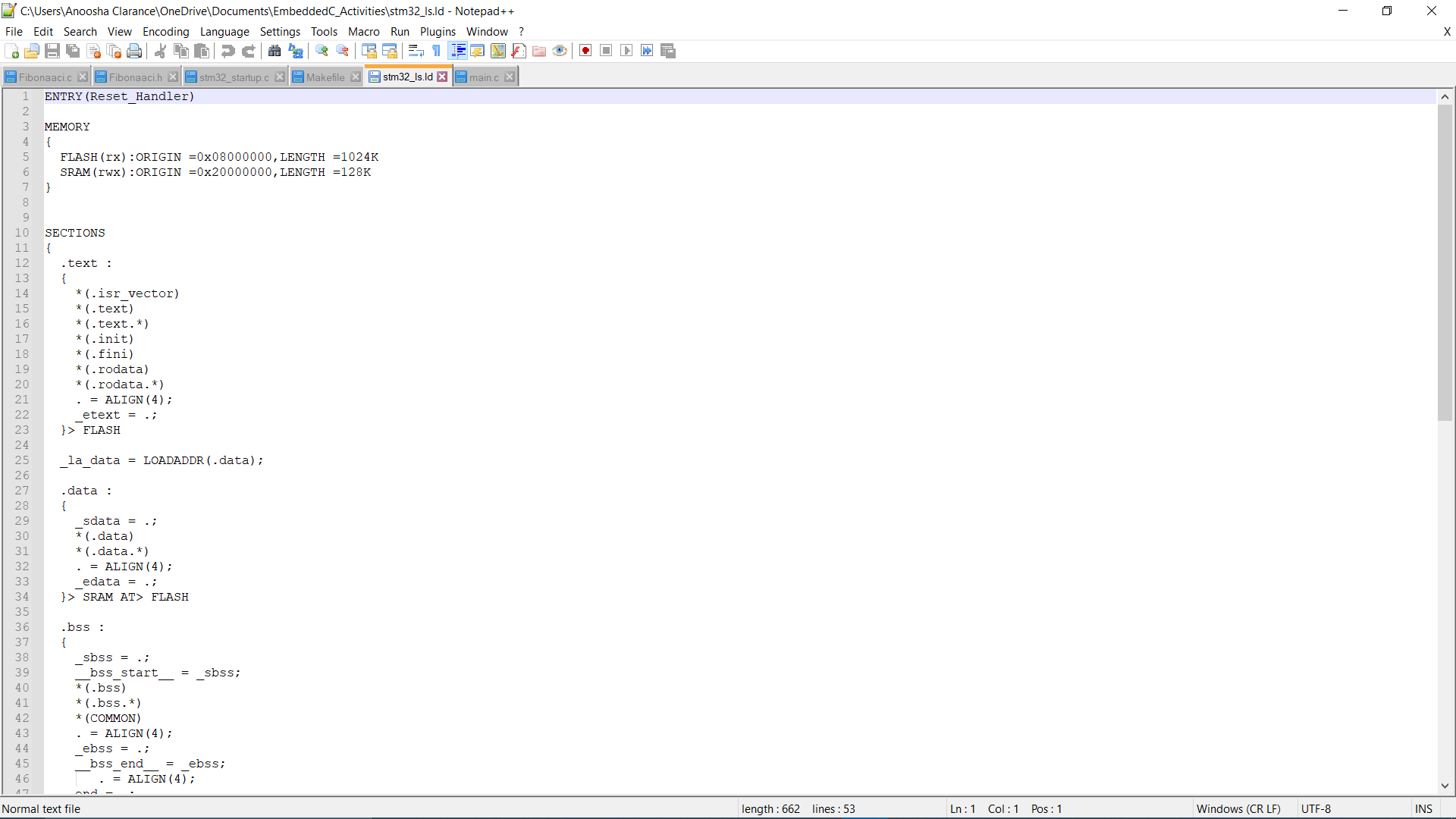
[6.2 GITHUB LINK 10](#_Toc60714590)

# ACTIVITY 1: PERFORM BUILD USING GIT BASH

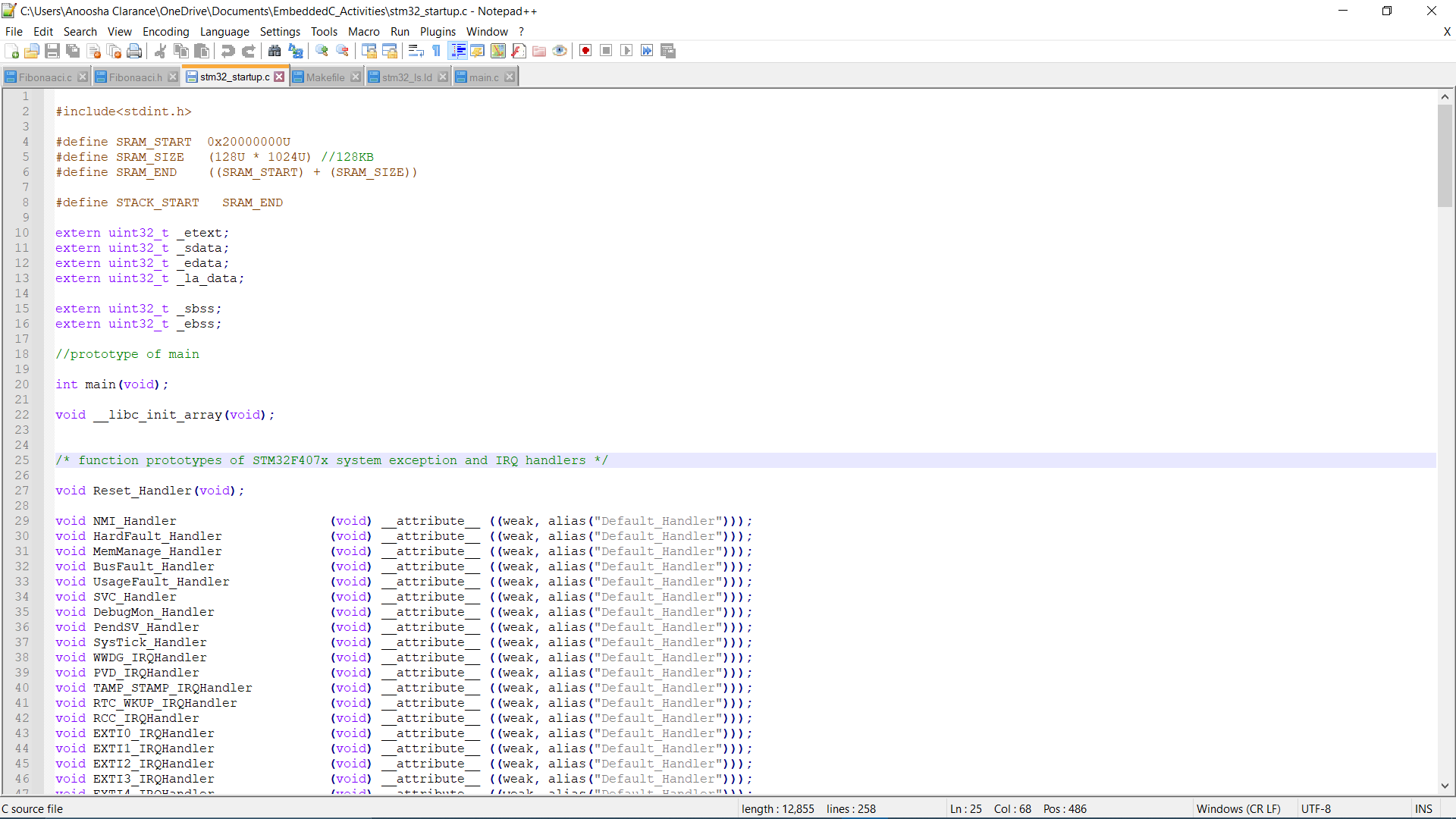
## MAIN FILE



# ACTIVITY 2: LINKER SCRIPT

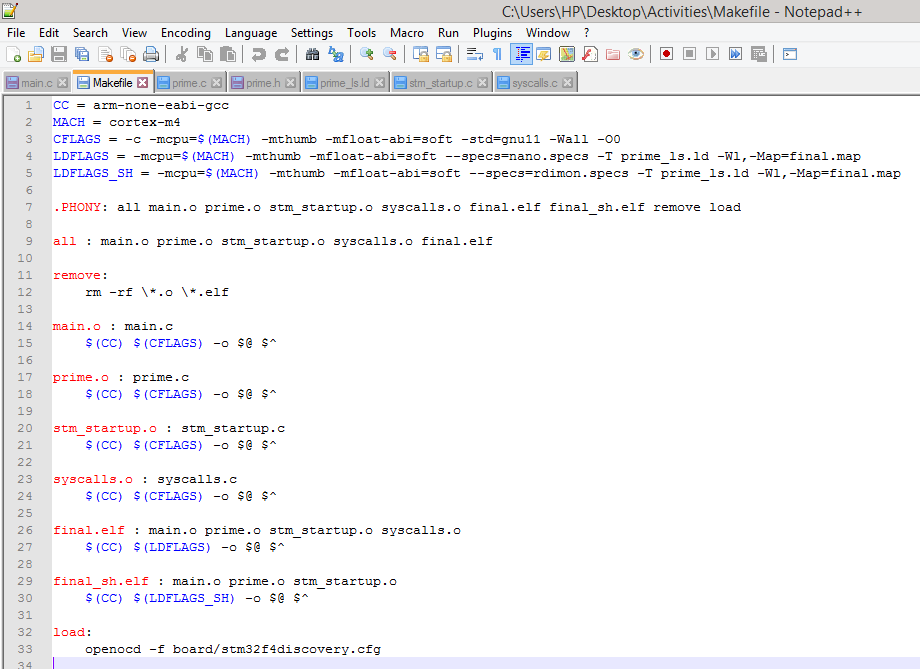


# ACTIVITY 3: STARTUP CODE

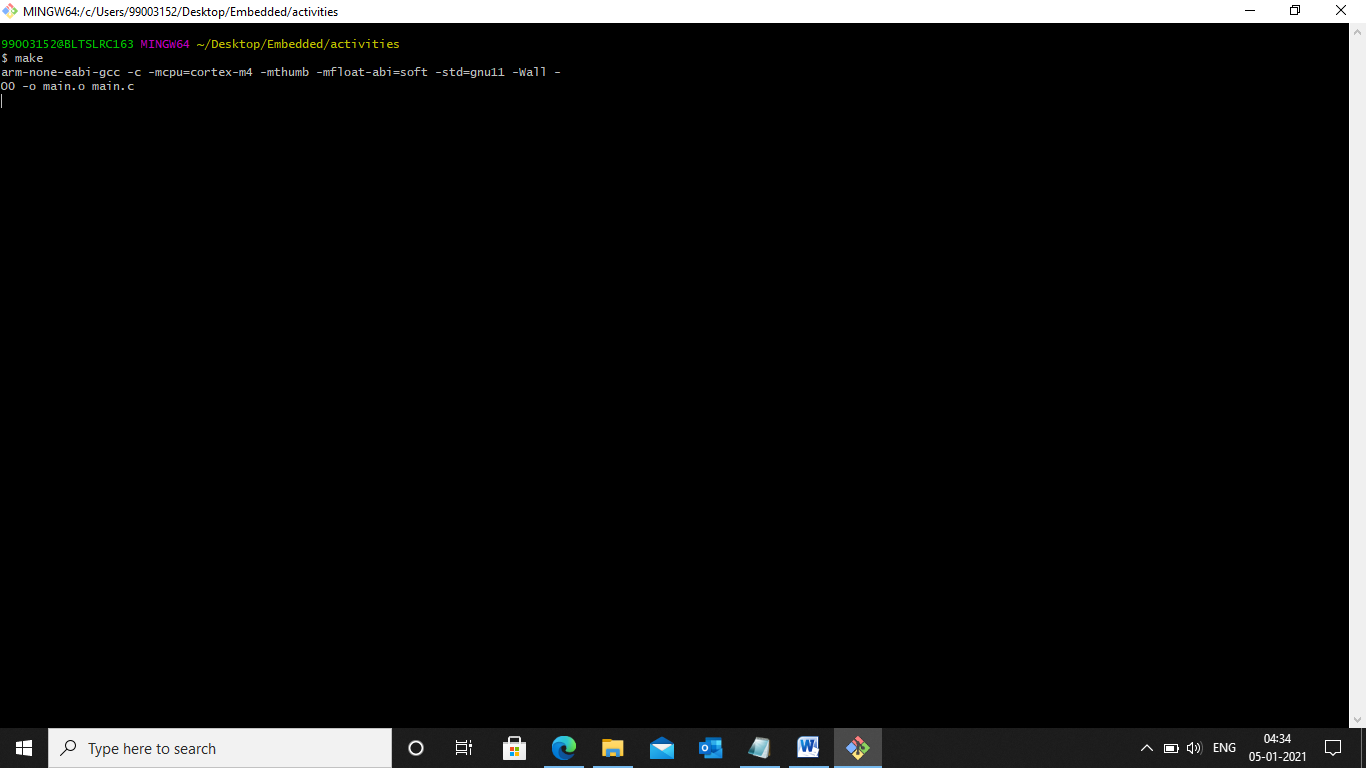


# 

# ACTIVITY 4: BUILD USING MAKEFILE



## SCREENSHOT OF OUTPUT AFTER RUNNING MAKE

v

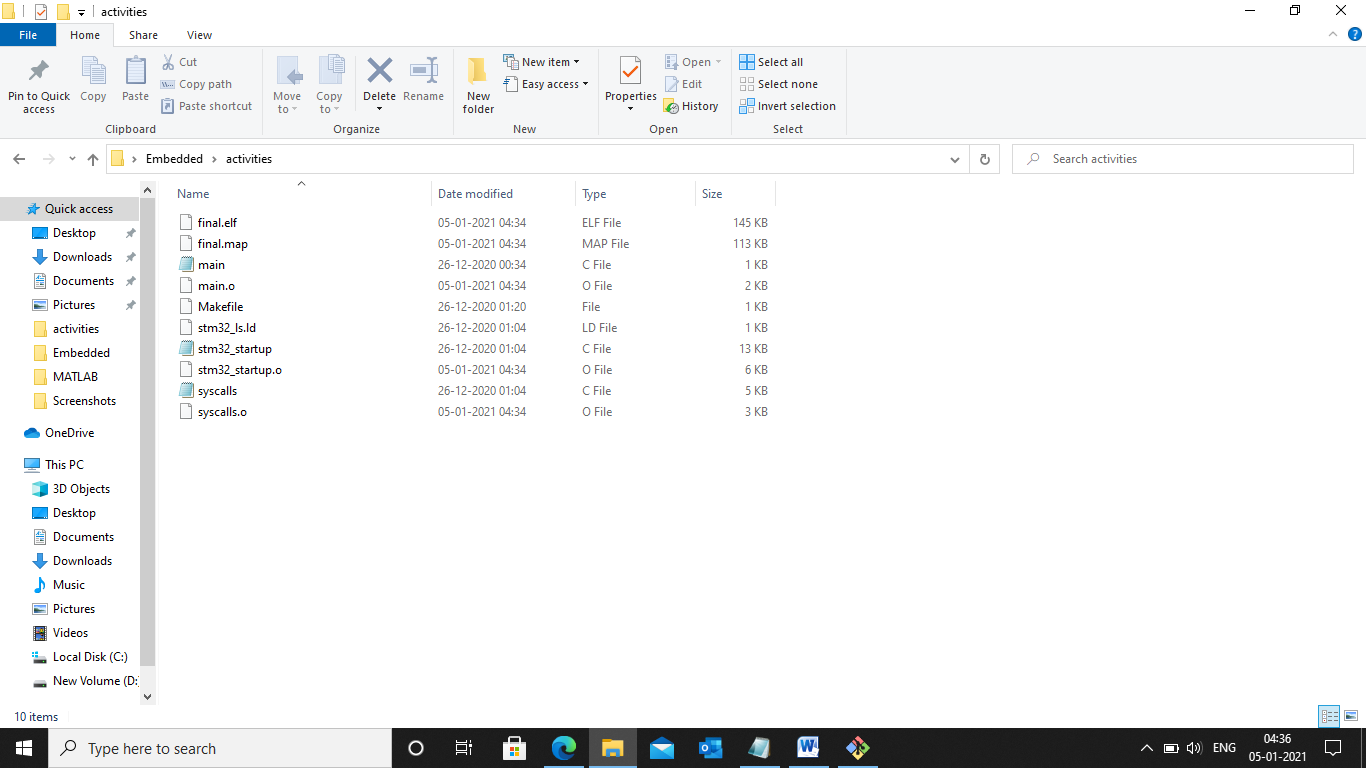


Figure 7:Files Created

## GITHUB LINK

[99003152/embedded\_miniproject (github.com)](https://github.com/99003152/embedded_miniproject)

# MINIPROJECT

## SCREENSHOT OF CODE IMPLEMENTATION

Graphical user interface, text, application

Description automatically generated

Figure 8:Screenshot of code implementation (STM32)

Text

Description automatically generated

Figure 9:Screenshot of code implementation (Arduino)

## GITHUB LINK

[99003152/embedded\_miniproject (github.com)](https://github.com/99003152/embedded_miniproject)