**CS1021 Final Project Summary**

**INSTRUCTIONS:** Type out your answer directly below each question. If a question does not apply to your project, type in N/A. When finished, save this file as a PDF and upload it to the Blackboard.

**BASICS**

**Your group members?**

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**What is the topic of your final project?**

BMI calculator

**Who is the intended audience?**

both men and women, age 20 or older.

**Provide a brief summary of the functionalities of your project.**

For our project, we wrote a Body Mass Index (BMI) calculator and 2 conversion calculators to help the user enter the correct inputs in the BMI function. Knowing your BMI is a good way to gauge whether your weight is in healthy proportion to your height. It is important to know about your BMI because it can help you determine any health risks you may face if it’s outside of the healthy range.

**High-Level Language Specs**

**How many functions are there in the high-level language?**

4 functions

**List the names of the functions along with their signatures (including return type and parameter details)**

1. message function (message\_c)
2. inPound function (inPound\_c)
3. inInches function (inInches\_c)
4. BMI function (BMI\_c)

**Describe the functionality of each function in brief. Make sure you use language that is easy to understand for non-technical people.**

1. message function

We started by this function to give the user a brief description of the BMI calculator.

1. inPound function

This function is for converting weight or mass measurements from kilograms (kg) to pounds (lbs). It will ask the user to Input the weight in kilograms and it will automatically convert it to inches by multiplying it by 2.20462262185 and display the result.

1. inInches function

This function is for converting height from CM to inches. It will ask the user to Input the Height in CM and it will automatically convert it to inches by multiplying it by 2.54 and display the result.

1. BMI function

Body mass index (BMI) function measures body fat based on height and weight that applies to adult men and women. It is widely used as a general indicator of whether a person has a healthy body weight for their height. The function requires the user to enter the weight in pounds and enter the height in inches and execute this operation (weight in pounds \* 703 / height \* height) to get his body mass index.

**Assembly Language Specs**

**How many files did you create for your Assembly Language code?**

1

**List the functions present in assembly language and describe the functionality of each in brief.**

1. message function : It prints a message
2. inPound function: takes a parameter and push it to the stack, print a message , then pop the parameter to get the result.
3. inInches function
4. BMI function

**MISC**

**Which operating system, assembler version and compiler version did you work with in your project? List the versions corresponding to each only.**

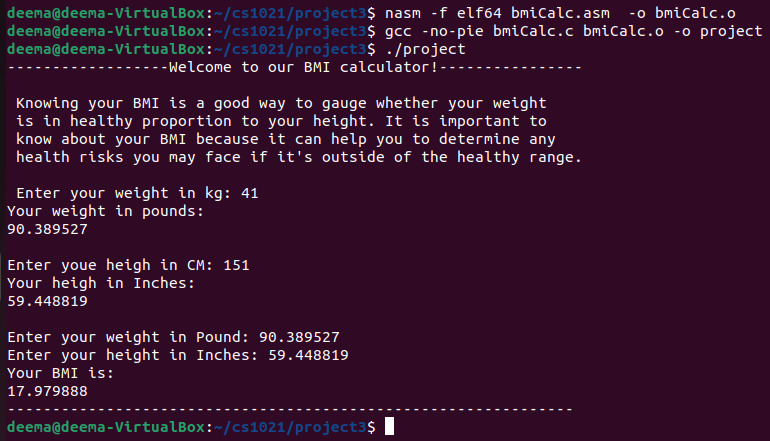
**Did you face any problems in assembling and/or compiling your projects?**

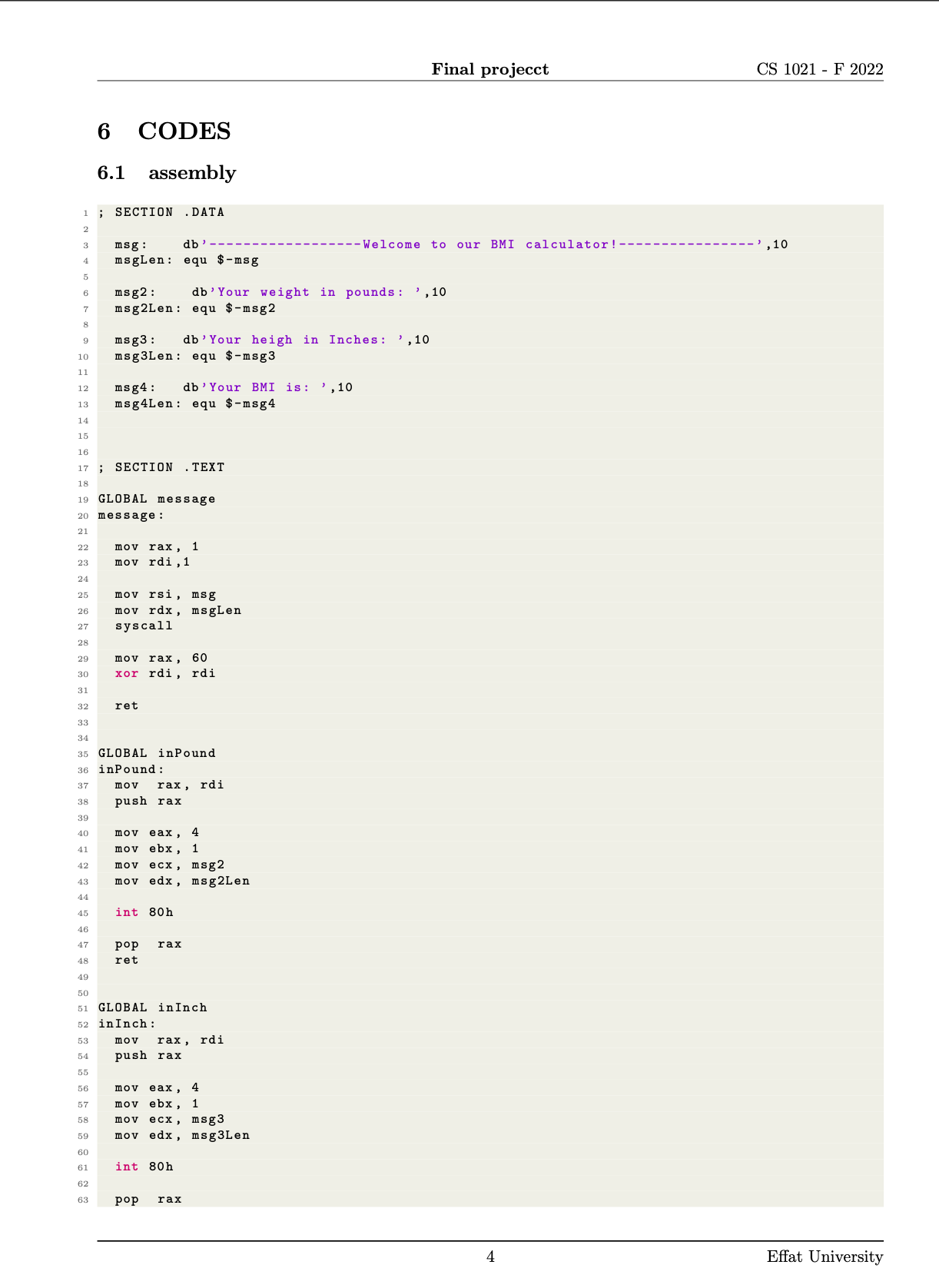
**N/A**

**Provide any other information that you think the grader/instructor should know when grading your final project below.**

N/A

**Include screenshots of the working of the project below.**



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