Member 02

Inputs

- Customized Feature Vector
- Student's Parse Tree
- Lecturer's Parse Tree
- Student's Answer Script

Process

- Take the feature vector and compare both Student's and Lecturer's ASTs according to the features have mentioned in the feature vector using Weighted Rule Based Algorithm.

  Comparison should be done using a Weighted Rule Based Algorithm.

  Designing the Weighted Rule Based Algorithm is the Research Part of the Member 02

- Compile and check the student's answer script is getting compiled or is there any compilation errors.

  Generating marks will be based on the similarly level of ASTs and the Compilation.

- 80% marks given for the similarity, 20% give for the compilation

Example: if the student's answer is a perfect match with the Lecturer's Answer the student will get 80 marks for that and if that answer is getting compiled student will get 20 for that part.

The final marks and grades will be generated as a sum of these two.

Outputs

- Student's marks
- Student's grade (A,B,C or F)
- Whether the student's answer get compiled or not

These three things want to show in UI as the outputs of the member 02 component