

## Instructions for Execution of Project1-A04782249.cpp:

1. Extract the Project1-A04782249.zip
2. Make sure all text files (data\_size, clause\_variable\_list, conclusion\_list, variable\_list, area\_list) are in same folder where the Project1-A04782249.cpp is located.
3. Open the Project1-A04782249.cpp through Code Blocks IDE.
4. Build and run the Project1-A04782249.cpp, wait for successful compilation of the code. You must see the Black console, if everything is fine. If not go to step 2.
5. If the program was successfully compiled. You will see the conclusion\_list, Hit Enter to continue. Do the same for variable\_list.
6. Now the Console will prompt you to enter a Conclusion, type 'AD' and hit Enter.
7. Next the console will ask questions that need to be answered, so that can suggest the Profession and major/Area.
8. Based on the decision tree,
  - if the required facts are asserted, you will see the output suggesting profession and area.
  - Else you will see Unable to Decide Try again Message.

### Sample Output:

```
ENTER A CONCLUSION: AD
Are you inerested in PROBLEM_SOLVING? : (Y/N): Y
Are you inerested in INNOVATION? : (Y/N): Y
Are you inerested in HOW_THINGS_WORKS? : (Y/N): Y
Are you interested in MECHANICAL_ENGINEERING ?(Y/N): N
Are you interested in CHEMICAL_ENGINEERING ?(Y/N): Y
*****
*                               *
*          ADVISE EXPERT SYSTEM          *
*                               *
*                               *
*                               *
*                               *
*          Profession: ENGINEER          *
*          Area: CHEMICAL_ENGINEERING    *
*                               *
*                               *
*                               *
*                               *
*****
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