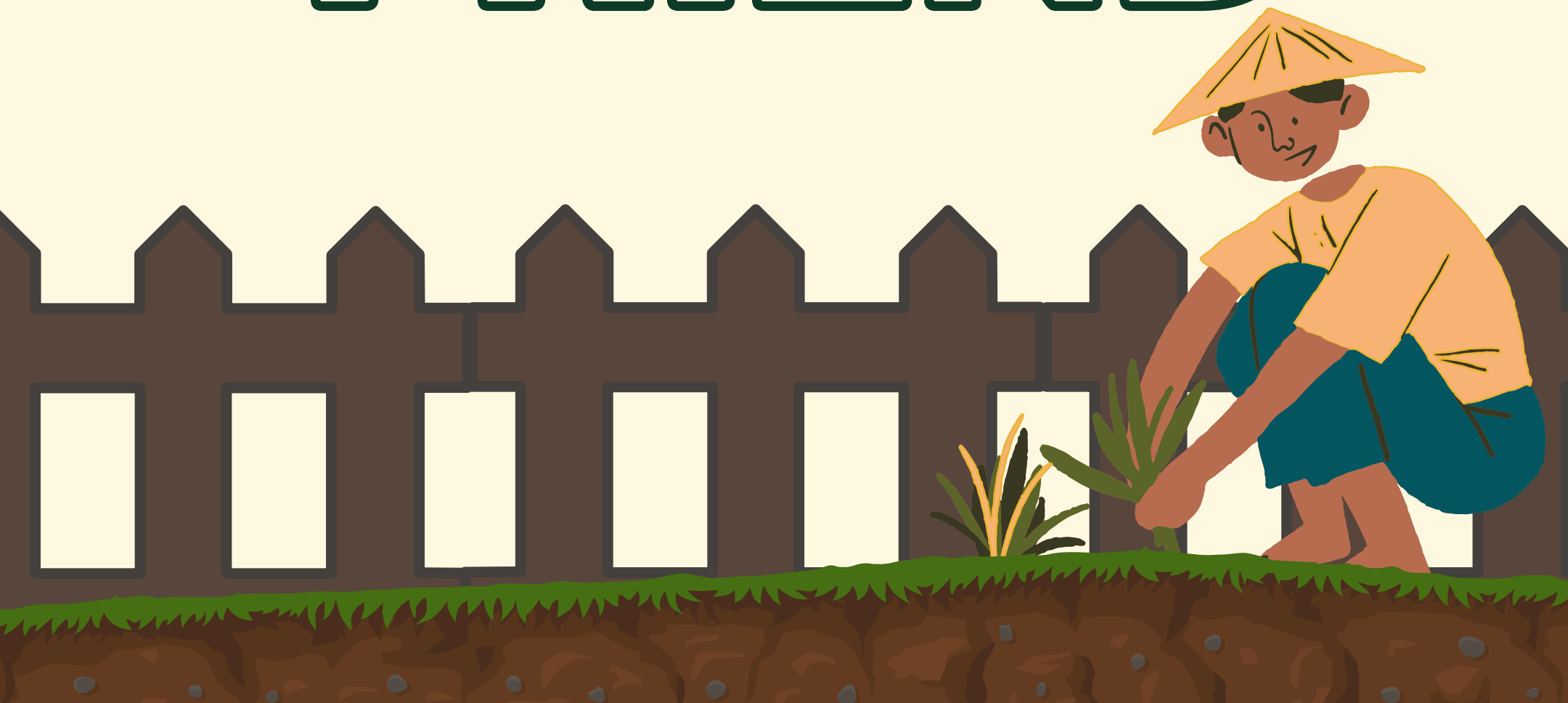


FARMER'S FRIEND





CONTRIBUTED BY

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PROBLEM STATEMENT


*ASSISTING THE FARMER IN FINDING
THE SUITABLE CROP GIVEN THE
PREFERRED CONDITION*





MOTIVATION

THE SELECTION OF CROPS CAN BE A BIT CHAOTIC FOR SOME FARMERS. HENCE WE PRESENT YOU THE FARMER'S FRIEND THAT WILL ASSIST HIM MAXIMIZING HIS YIELD BY SELECTING THE BEST SUITABLE CROP.





TENTATIVE SOLUTION

We have stored information about various crops with their respective Soil type, Season and crop type i.e. Cash or food. First of all the user will enter details as per his preferred conditions mentioned above. Then we will take out the intersection of the crops estimated from each set of information resulting to the most compatible crop.





The overall representation of the code goes below:

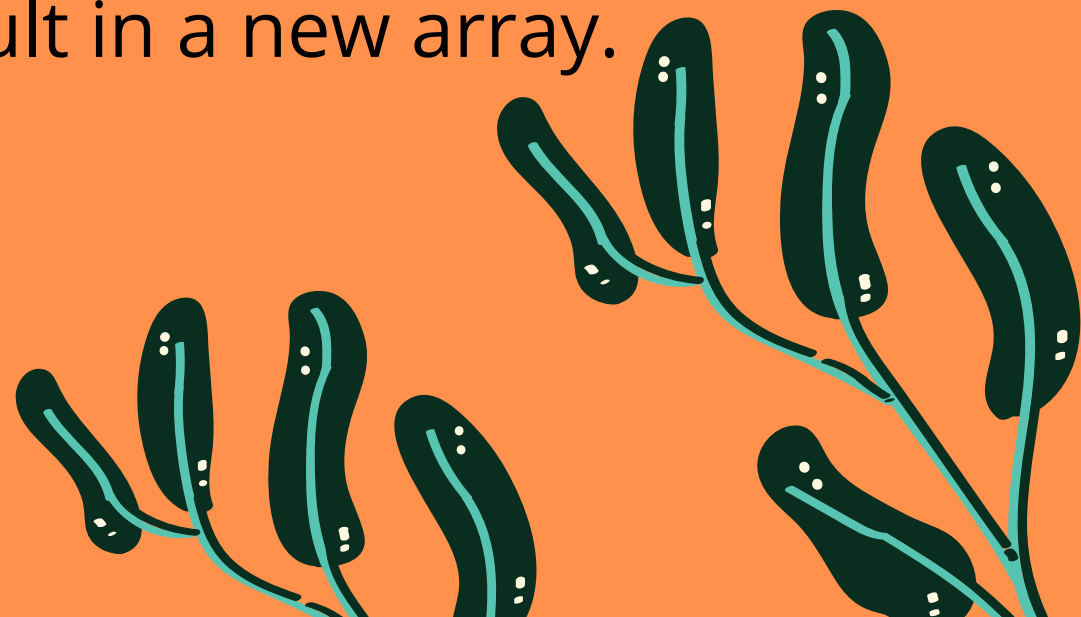
1. Storing the crops with the help of 2-D array.
2. Using it's index for the indentification of crops to perform further required operations.
3. Storing all the crops(by their indexes) manually by making respective new arrays for each specifications soil type,season and crop type.





The overall representation of the code goes below:

4. Take inputs of soil type, season and crop type by user.
5. Select the right array by if-else-if-else/switch statement for all 3 inputs.
6. Take out the intersection of those 3 arrays and store the result in a new array.





The overall representation of the code goes below:

7. If the intersection is not-null, Convert the indexes to crops and display them on screen.
8. If the intersection is null, Ask user to compromise and drop one of the input.
9. Repeat the whole process using those two inputs.





RESULT

As you have seen above, We asked farmer about his preferred preferences in terms of Crop-type, Soil-type and Season and based on his preferences, We suggest him the best suitable crop to grow, to maximize his yield. If in case he is getting a null value, We suggest him to drop one of three parameters and based on that, we again come up with the best suitable solution for him.





CONCLUSION

We are here presenting you with an interesting program which is very beneficial to today's farming. Sometimes farmers get a bit confused to choose which crop is best suitable for their conditions such as weather and soil type.





So, “Farmer’s friend” is here to help farmers in choosing the best suitable crop for his conditions.

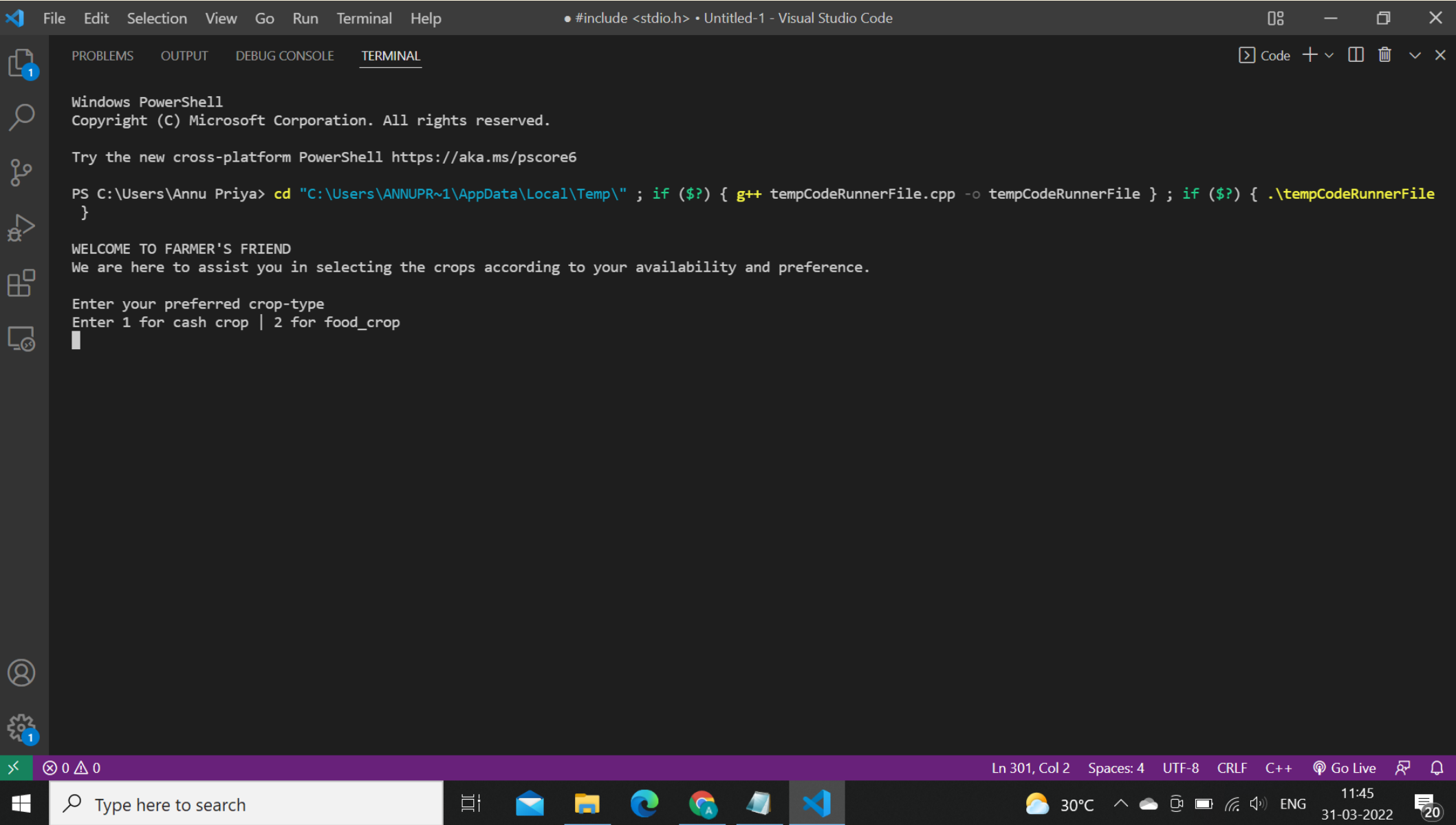
The program has a simple interface and takes information on three critical parameters—weather, soil type and crop type from the farmer according to his priorities and provides information about the best suitable crop to his priorities.

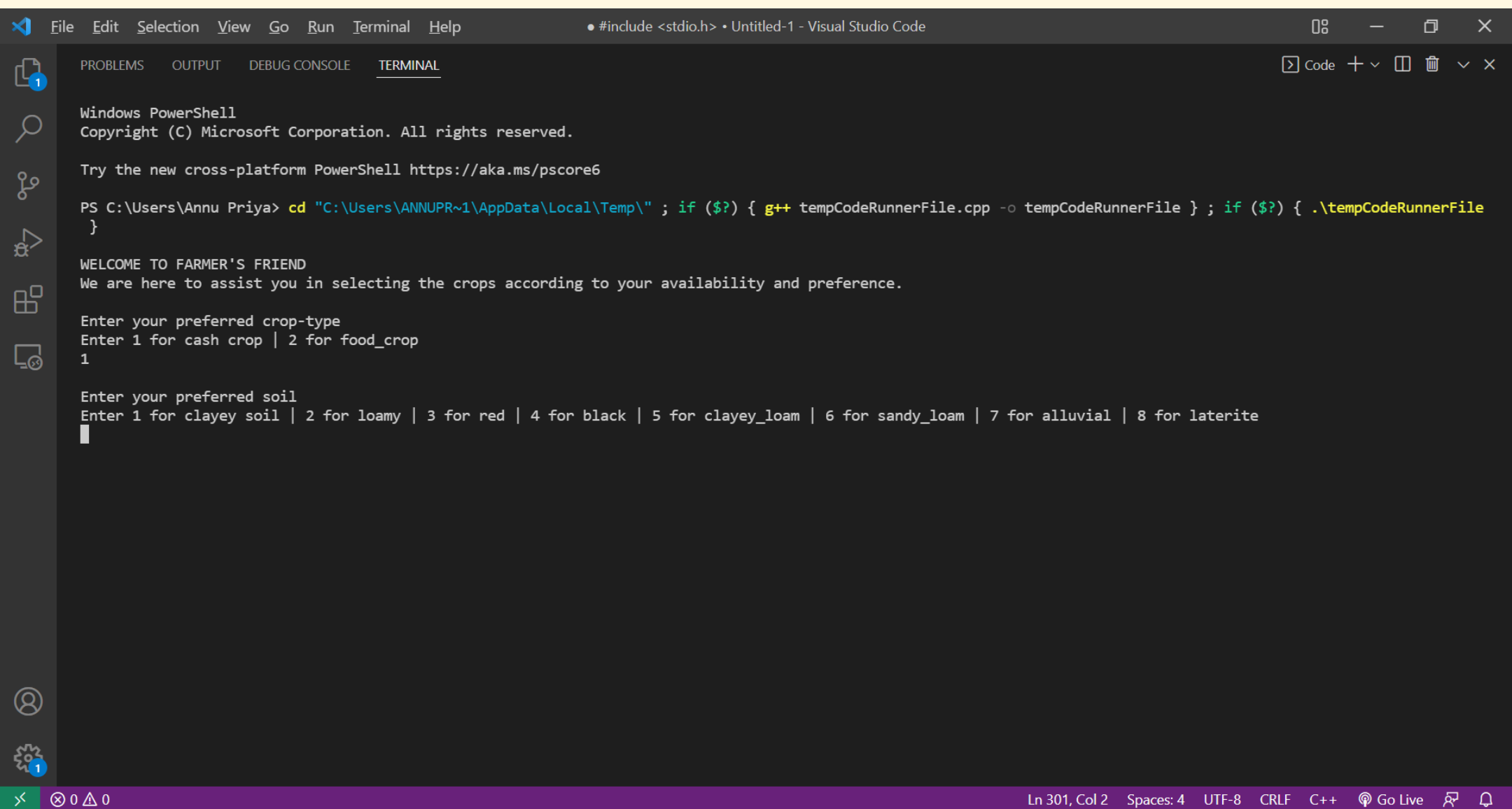


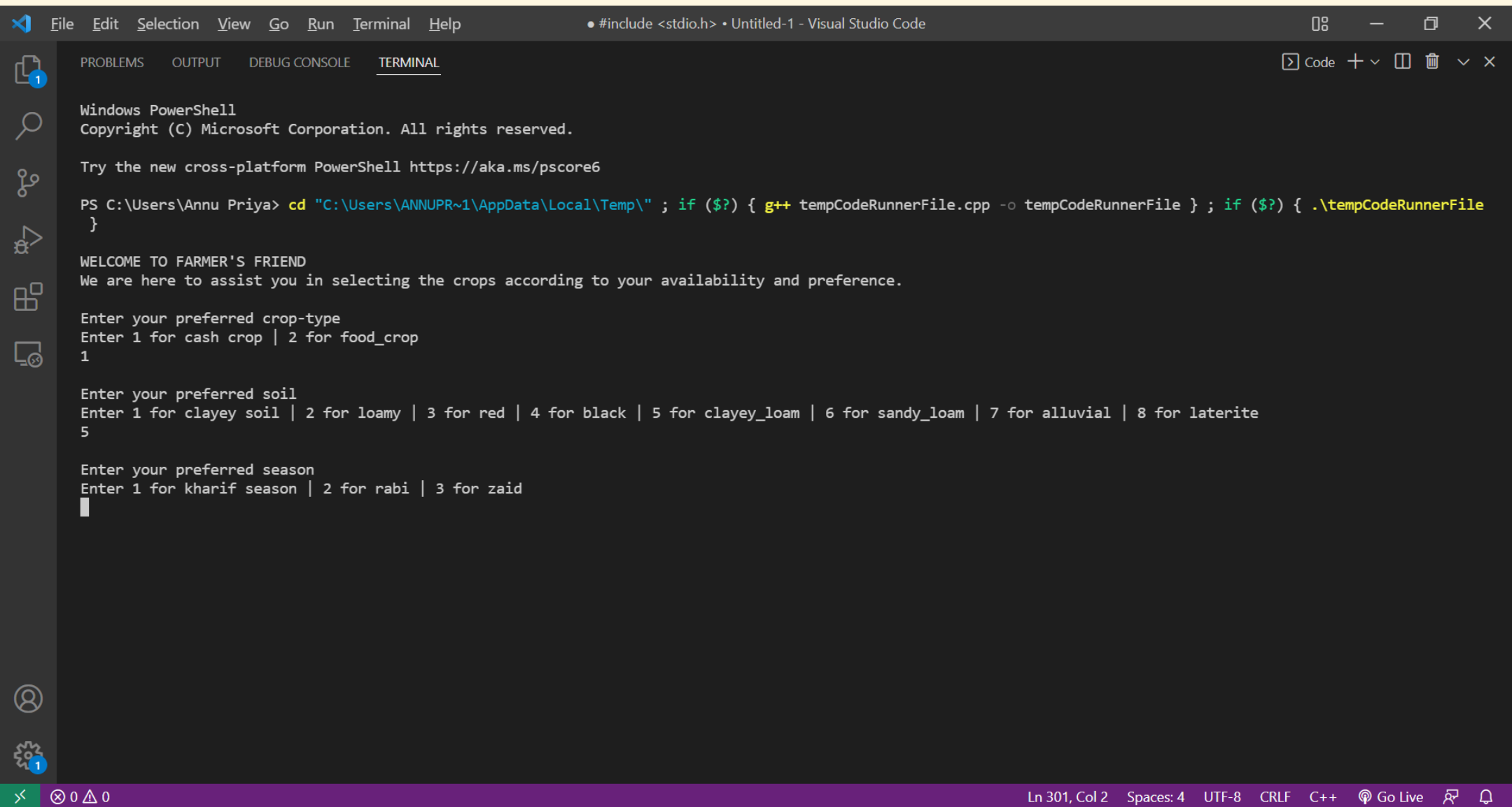


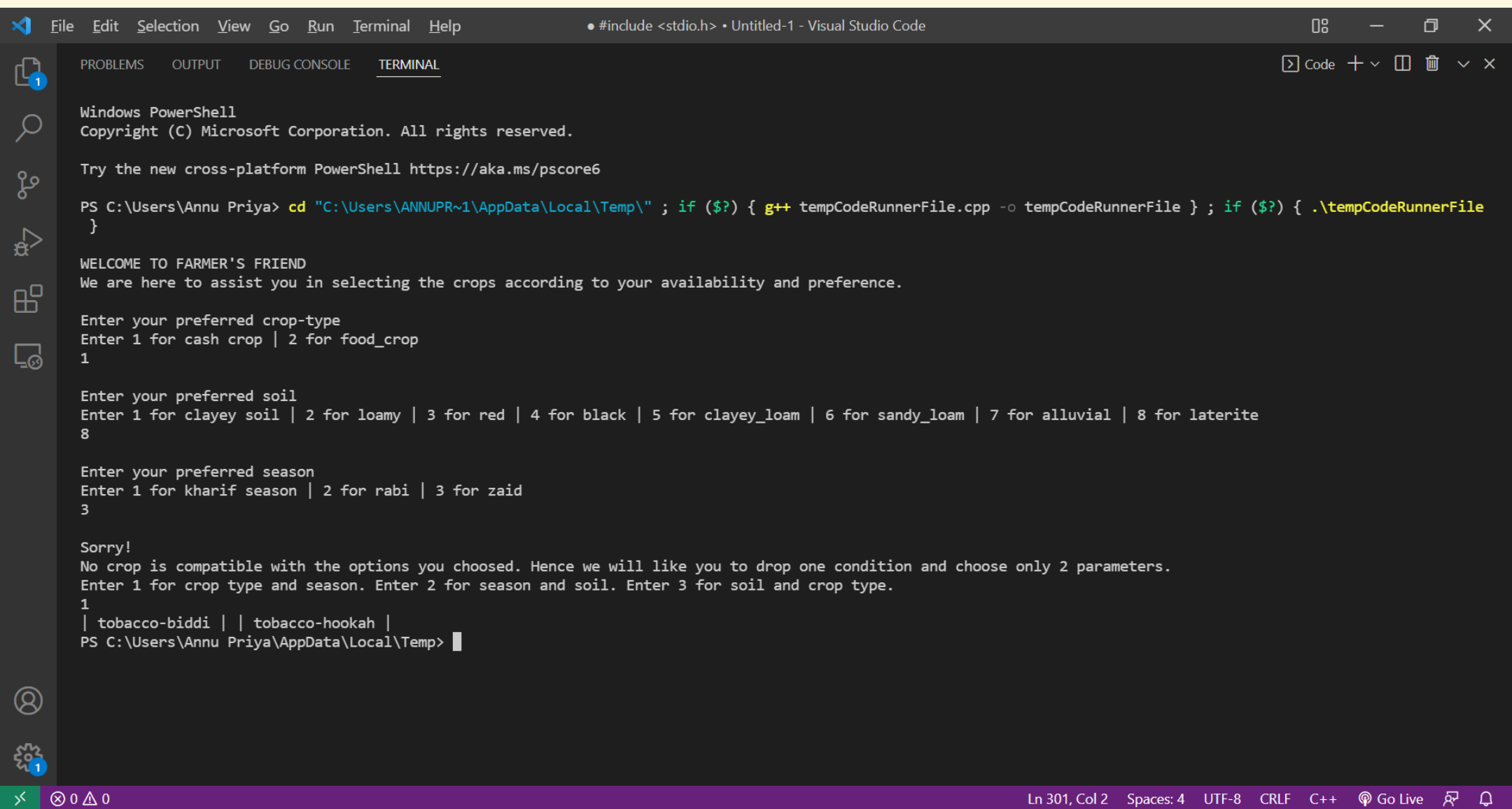
APPENDIX

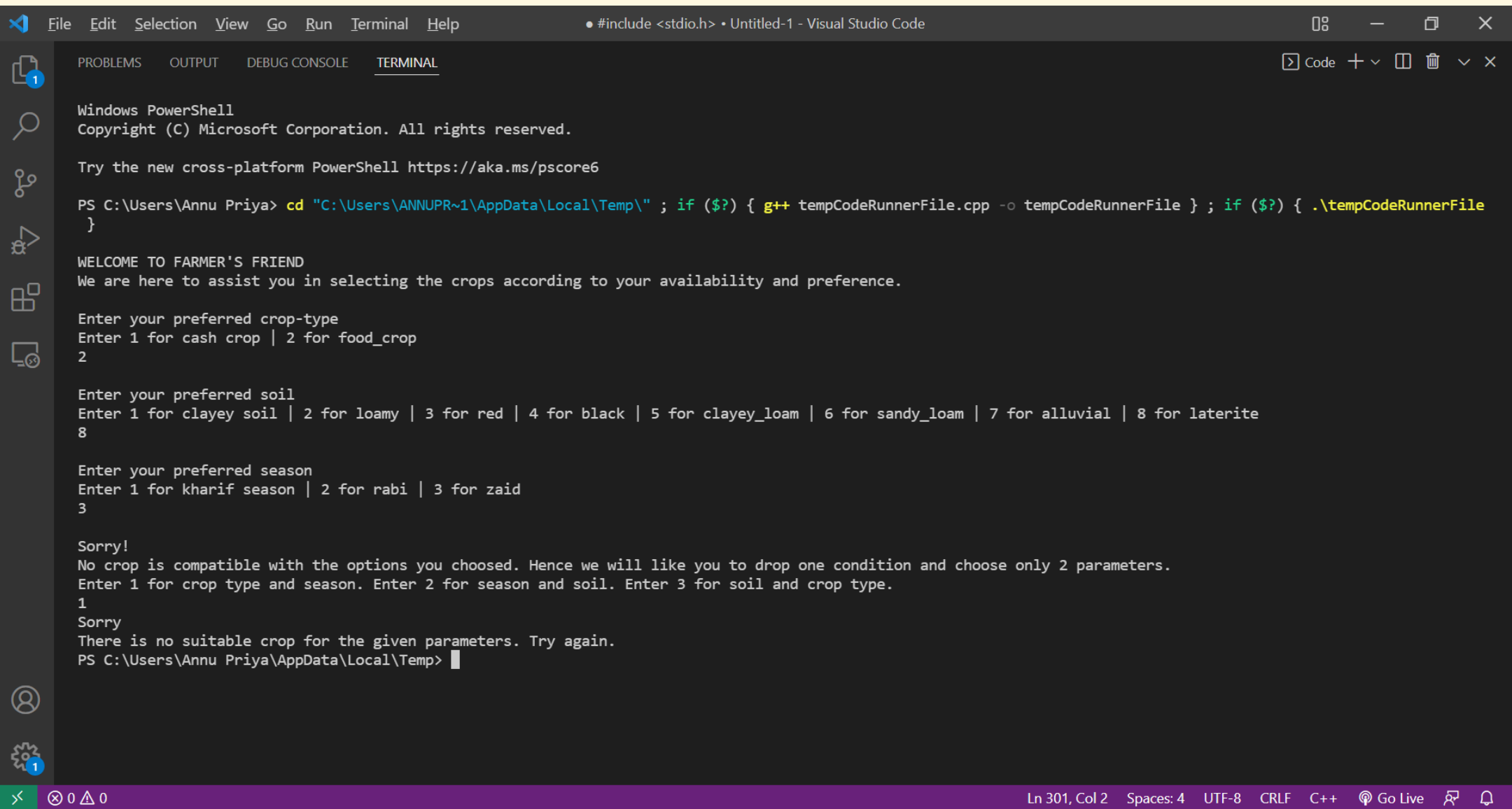












Thank You!

