Step 4: instruction tuning

Step 1: prompting LM to generate instructions

Step 2: prompting LM to generate instance input

Step 3: prompting LM to generate output

Come up with a series of tasks. Try to specify the possible output labels when possible:

1. Generate a one-sentence description for each of the following people.
2. Brainstorm a list of possible New Year's resolutions.
3. Suggest a completion for the following python code.
4. Answer the following multiple choice question. Select A, B, C, or D for the final answer.

. . .

9. **Read the following email and write the reply message.**

Come up with the input field for the following tasks. If no additional input is required, you can put None in the input field.

Task 1: Create a monthly budget for a person in the given location.
Input: Location: Seattle, WA

Task 2:   . . .

Task 10: Read the following email and write the reply message.
Input: **Dear Professor, I am a PhD student at MIT. I read your paper about Deep Learning for NLP and would like to apply it in my research. However, there are some parts that I do not understand well. Could you please send me the source code of your implementation? Thank you very much! Best regards, Zhang**

Come up with a best output for each of the following tasks. You should consider both the task description and the input in order to make the output correct.

Task 1: Give some examples of national dishes from a given country.
Input: Italy
Output:
- Ragu alla Bolognese
- Risotto

Task 2:   . . .

Task 9: Read the following email and write the reply message.
Input: Dear Professor, I am a PhD student at MIT. I read your paper …
Output: **Dear Zhang, I am glad to hear that you are interested in my work. I will send the source code of my implementation to your email address. However, please note that this is not a general purpose NLP system and it was only used for some specific tasks. You may need to modify it if you want to use it for other purposes. Best regards, Professor Li**