# A  SCENARIO DESCRIPTION

| Summarization | |
|---|---|
| post_summarization | Write a summary for a reddit post. |
| text_summarization | Write a summary for a piece of text. |
| note_summarization | Write a note to summarize a piece of text. |

| Exam Questions | |
|---|---|
| math_reasoning | Write an answer with the step-by-step reasoning process for a math question. |
| exam_question_with_math | Solve an exam question (like fill-in-the-blank, multiple choice, problem solving, etc) with math involved. |
| exam_question_without_math | Solve an exam question (like fill-in-the-blank, multiple choice, problem solving, etc) with no math involved. |

| Rewriting | |
|---|---|
| text_simplification | Reduce the complexity of the vocabulary and sentence structure of text while retaining its original meaning. |
| language_polishing | Polish a piece of text to make it more fluent, natural, and readable. |
| instructional_rewriting | Rewrite a given text with a specific instruction. |
| text_correction | Correct the potential errors in a piece of text. |
| paraphrasing | Paraphrasing a given text. |

| Code | |
|---|---|
| code_simplification | Rewrite a piece of code to make it more concise and easy to understand. |
| code_generation | Write a piece of code based on the given description. |
| explaining_code | Write an explanation for a piece of code. |
| code_correction_rewriting | Correct the potential errors in a piece of code or rewrite the code by user's requirements. |
| code_to_code_translation | Convert the given code into another programming language. |

| Creative Writing | |
|---|---|
| writing_song_lyrics | Write song lyrics. |
| writing_social_media_post | Write a post that will be posted on social media such as Twitter, Instagram, Facebook or LinkedIn. |
| general_creative_writing | Conduct a creative writing task, like writing stories, poems, dramas, novels, screenplays, etc. |
| counterfactual | Answer questions or write texts under counterfactual premises. |
| writing_personal_essay | Write an essay that explores topics through personal experiences, insights or understanding. |
| writing_blog_post | Write a blog post on the website. |
| writing_advertisement | Write an advertisement for a product or service. |
| writing_marketing_materials | Write marketing materials that help you communicate your brand's products or services to your target market. |
| writing_presentation_script | Write a speech/presentation script for a public speech. |

| Functional Writing | |
|---|---|
| writing_product_description | Write a product description that describes and explains your product or service. |
| writing_news_article | Write a news article for the newspaper. |
| writing_biography | Write a biography for a person. |
| writing_legal_document | Write a legal document involving one or multiple parties that can be relied upon in court. |
| writing_technical_document | Write a technical document that describes the function and structure of a technical product. |
| writing_job_application | Write a job application for your job search. |
| writing_scientific_paper | Write a scientific paper that shares your own original research work with other scientists. |
| general_functional_writing | Conduct a functional writing task, like proposals, reports, memos, resumes, polls, questionnaires, schedules, etc. |
| writing_cooking_recipe | Write a cooking recipe that teaches people how to prepare a meal. |

| General Communication | |
|---|---|
| asking_how_to_question | Give relevant and complete instructions when users ask 'how to do' something. |
| seeking_advice | Respond well to users when they seek advice. |
| verifying_fact | Verify if the given fact is true or false. |
| open_question | The user's query is an open domain question with no attached passage or article. |
| analyzing_general | Analyze a certain thing (like a topic, issue, material, text etc.) given by the user. |
| explaining_general | Explain something the user wants to know. |
| brainstorming | Brainstorm ideas or items for a given topic. |
| roleplay | Pretend to be a specific person, character, profession or identity, and complete the required task on this basis. |
| planning | Write a plan for an event or activity. |
| chitchat | Chitchat with the user. |
| recommendation | Give recommendations to users. |
| value_judgment | Provide a value judgment on a given topic or statement. |

| NLP Tasks (including "others") | |
|---|---|
| ranking | Sort some things, according to some criteria. |
| text_to_text_translation | Translate the given text into another language. |
| data_analysis | Analyze certain data given by the user. |
| classification_identification | Classify or identify one or multiple objects given by the user into specific categories. |
| title_generation | Generate a title for the given text or based on a description of the work. |
| question_generation | Generate one or multiple questions based on the given topic or attached text. |
| reading_comprehension | Answer the questions that can be directly answered by the attached passage. |
| keywords_extraction | Extract the keywords from a piece of text. |
| information_extraction | Extract one or multiple user-specified categories of information from a piece of text attached in the user's query. |
| topic_modeling | Extract the high-level topics or themes from a given text, i.e., what kind of topics are discussed in the text. |

Table 6: Detailed description for each scenario.