

	<b>IIT KHARAGPUR AI4ICPS I HUB FOUNDATION</b>  <b>Hands-on Approach to AI, Cohort-4, 2026</b>  <b>Programming Assignment 7: LLM Prompting</b>
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**Due date:** Sunday 25<sup>th</sup> January 2026, EOD – IST

### **Important Instructions about Programming Assignments**

1. Programming assignments will be evaluated automatically. **Do not** change the skeleton code provided to you.
2. Write your code **only in the designated places** in the skeleton code and process the input data provided to you in the designated variables. **Do not alter** the input-output structure in the skeleton code.
3. **Do not import** any additional libraries. **Do not use any additional files** for the processing (other than those mentioned in the skeleton code).
4. Failure to comply with these instructions may lead to you getting **zero marks** for the assignment, even if the solution is largely correct.

**Objective:** To use Flan-T5-XL LLM for determining whether an answer to a query is correct or not.

**Problem:** Write a Python program using the provided template to properly formulate the prompt such that the model can tell if an answer is correct or not for the given question.

**Instructions:** Download the template program and write your code in the designated location mentioned in the comments. It accepts two string parameters provided as a command line input. The first input represents the query and the second input is the answer. If the answer is correct for the query, then the output should be 'YES' else 'NO'. Output should be in capital letters and the output should not contain any additional text.

You should read the skeleton code to understand the exact mechanism of input from the command line and provide the required output.

**Execution Syntax:** `python template.py <string> <string>`

**The following example is given for your reference:**

<b>Terminal:</b>	<code>python template.py 'Who is Rabindranath Tagore?' 'He is a very famous football player.'</code>
<b>Output:</b>	NO
<b>Terminal:</b>	<code>python template.py 'Who is Rabindranath Tagore?' 'He is a famous poet, writer, playwright, composer, philosopher, social reformer, and painter of the Bengal Renaissance.'</code>
<b>Output:</b>	YES

**NOTE:** You should create some similar examples on your own to test the correctness of your pipeline. Remember that FLAN-T5-XL is a small LLM and may properly work on input its pretrained with; all of our test cases are verified to work properly on this model.