ChatGPT and CoPilot

This demo shows how to use Large Language Models (LLM) like ChatGPT and copilot and how useful they are in increasing the efficiency and productivity of building code in various languages and interpreters. These are sample prompts that can be provided to these LLMs.

# Bash

Here are some bash prompts and problem snippets that are correctly generated and explained:

* “correct bash expression LC=$(echo $LC xargs LC=$(LC} - 1))”
* “Bash what is xargs”
* “bash delete the last line of a file”
* “bash verify:

if [[ $SKIP\_LOAD = 0 ]];then load\_cmdb\_ci\_data\_3 2>&1 | tee -a $LOG load\_cmdb\_ci\_data\_4 2>&1 | tee -a $LOG f”

* “correct bash/MySQL: LC=$($SQL5 <<EOF2 select count(1) from CMDB\_CI\_Bussiness\_Apps where Extract\_Time = STR\_TO\_DATE ("$EXTRACT\_DATE", "%Y-%m-%d")); EOF2”

# MySQL

Some fun MySQL prompts:

* “MySQL how to use a variable as a part of a FROM clause”
* “mysql not make a concat sting a blob type instead of varchar”
* “mysql correct : SET @query := cast(ConCat ('select concat (Z.A1, char(10), Z.A2, Z.A3', char(10) , 'UNION ) Col\_Max\_SQL', 'from ( select ''SELECT ''', CV.COLUMN\_NAME, ''' Column\_name, max(length(trim(', '', '))) Max\_Column\_Length', char(10) , 'FROM ', @TABNAME, ' C A1', CHAR(10) , 'from INFORMATION\_SCHEMA.COLUMNS CV, LOAD\_cmdb\_cu\_ci\_2025\_04\_01 C', char(10) , 'where CV.TABLE\_SCHEMA in (secureTools) and CV.TABLE\_NAME in (', @TABNAME, ')''', char(10) , 'group by ', CV.ORDINAL\_POSITION,',', CV.COLUMN\_NAME, char(10) ,'order by CV.ORDINAL\_POSITION ) Z' , ' , INFORMATION\_SCHEMA.COLUMNS CV ', char(10), 'WHERE ',char(10), 'A2' ,' CV.TABLE\_SCHEMA in (''secureTools'') ', char(10) , ' and CV.TABLE\_NAME in (''', @TABNAME, ''') A3', char(10) , ', and ', CV.COLUMN\_NAME, ' in (Name) A4', char(10) , 'GROUP BY ', CV.TABLE\_SCHEMA ,', CV.', @TABNAME, ',', CV.COLUMN\_NAME ' A5' , ' CV.ORDINAL\_POSITION' ) AS CHAR);”

# Python

* Generate a python class for building an AI model. This class represents the neuron.

# Build an AI Model in python

* What classes are used in a feedback neural net model in python?
  + Generate a python class for building an AI model. This class represents the Neuron Class.
  + Generate a python class for building an AI model. This class represents the Layer Class.
  + Generate a python class for building an AI model. This class represents the Network Class.
  + Generate a python class for building an AI model. This class represents the Activation Class.
  + Generate a python class for building an AI model. This class represents the Loss Function Class.
  + Generate a python class for building an AI model. This class represents the Optimizer Class
  + Generate a python class for building an AI model. This class represents the DatabaseHandler Class
  + Generate a python class for building an AI model. This class represents the ActivationFunction Class
  + Use all these python classes to create a function to train the model storing results in the database
  + Use all these python classes to create a main function to run the model storing results in the database