

## **Experiment – 7: GUI and Database**

**Aim:** To implement a QUIZ App using Tkinter module for GUI and fetching the questions from a database.

### **Theory:**

Graphical User Interface(GUI) is a form of user interface which allows users to interact with computers through visual indicators using items such as icons, menus, windows, etc. It has advantages over the Command Line Interface(CLI) where users interact with computers by writing commands using keyboard only and whose usage is more difficult than GUI.

Tkinter is a graphical user interface (GUI) module for Python. It gives an object-oriented interface to the Tk GUI toolkit. It is a useful tool for creating a wide variety of graphical user interfaces, including windows, dialog boxes, and custom widgets. It is particularly well-suited for building desktop applications and adding a GUI to command-line programs.

The Open Trivia Database provides a completely free JSON API that you can use in your programming projects. Use of this API does not require an API Key.

### **Conclusion:**

### **Task for submission:**

(Write comments for every statement of the program)

1. Write a program to build a GUI for Quiz app using Tkinter and Open Trivia Database.