

# ADIT IBM COURSE 2022-24



*Advanced Diploma (vocational) Course in IT, Networking & Cloud Computing*

## CORE MODULE 1

Familiarization with GUI environment



# ***Familiarization with GUI environment***

## ***How to operate GUI in system?***

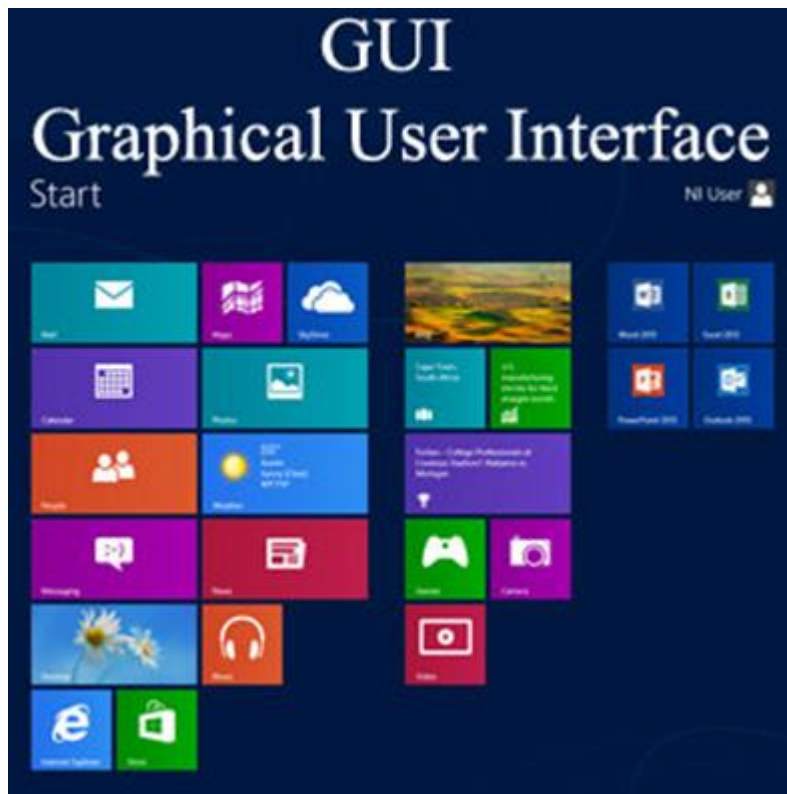
A GUI uses windows, icons, and menus to carry out commands, such as opening, deleting, and moving files.

### **Operating System**



# *What is GUI?*

- In today's times, graphical user interfaces are used in many devices such as mobiles, MP3 players, gaming devices, smartphones etc.



# What is cli?

- *CLI is a command line program that accepts text input to execute operating system functions*

cli  
commands

```
create .clang-format
create .editorconfig
create src\app\angular-clideno-app.component
create src\app\angular-clideno-app.component
create src\app\angular-clideno-app.component
create src\app\angular-clideno-app.component
create src\app\environment.ts
create src\app\index.ts
create src\app\shared\index.ts
create src\favicon.ico
create src\icon.png
create src\index.html
create src\main.ts
create src\manifest.webapp
create src\system-config.ts
create src\tscconfig.json
create src\typings.d.ts
create angular-cli-build.js
create angular-cli.json
create config\environment.dev.ts
create config\environment.js
```



# *What is deferent b/w GUI and CLI*

## GUI

## VERSUS

## CLI

### GUI

A type of user interface that allows users to interact with electronic devices through graphical icons and visual indicators

Graphical User Interface

Even a beginner can easily handle

Requires more memory as it contains a lot of graphical components

Slower

There are customizable options to change the appearance

More flexible

### CLI

An interface for the user to issue commands in the form of successive lines of text or command lines to perform the tasks

Command Line Interface

User should have good knowledge of commands

Does not require more memory

Fast

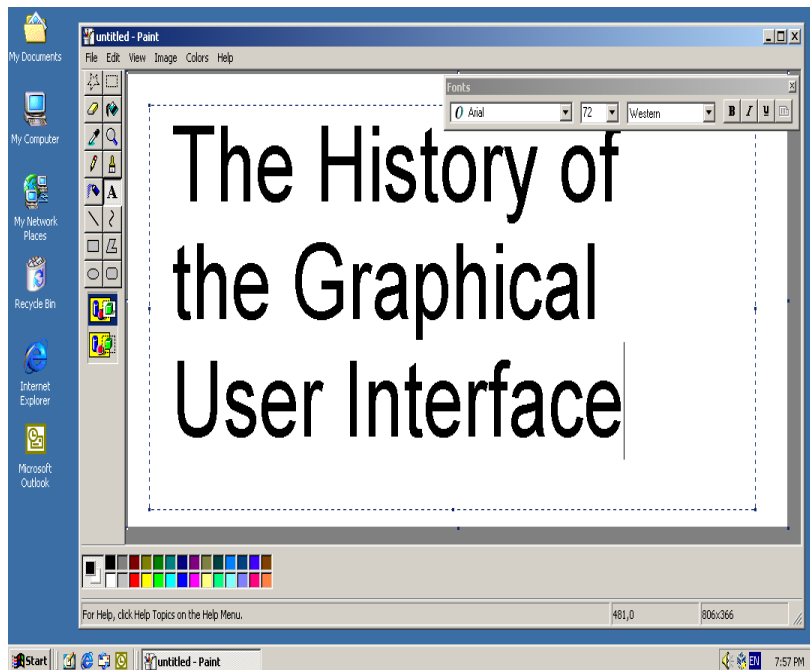
It is not possible to change the apperance

Not much flexible

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# History of GUI

- The GUI was first developed at Xerox PARC by [Alan Kay](#), [Larry Tesler](#), [Dan Ingalls](#), [David Smith](#), [Clarence Ellis](#) and a number of other researchers. It used [windows](#), [icons](#), and [menus](#) (including the first fixed drop-down menu) to support commands such as opening files, deleting files, moving files, etc.



# Advantage of GUI

- Visual representation of data is recognized faster than text. Non-programmers find it easy to use GUIs since it requires no experience with computing commands. They don't have to worry about writing or debugging code. As a result, users find GUI an easy-to-learn interface*

## What are the benefits of a GUI?

1. Easy use
2. Easy understanding
3. Attractiveness
4. Shortcuts
5. Multitasking

