# C++

A complete documentary

By Prince Agarwal
[ "Hello World" ]

# Cmd or terminal ?
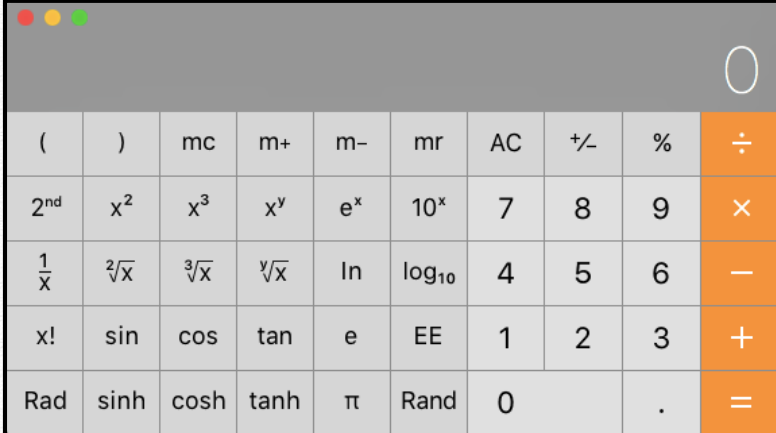
```
                        ┌─────────────────┐
                        │   Your system   │
                        └─────────────────┘
                           /            \
                          /              \
              ┌──────────────┐      ┌──────────────┐
              │   Windows    │      │   Macbook    │
              └──────────────┘      └──────────────┘
                     │                     │
                     │                     │
              ┌──────────────┐      ┌──────────────┐
              │     cmd      │      │   Terminal   │
              │Command prompt│      │              │
              └──────────────┘      └──────────────┘
```

# How c++ codes runs in cmd ?

**Without UI**

User Interface

**Working :-**

→ **File create**

→ **File Delete**

→ **Calculations**

→ **File opening**

→ **Letter Writing**

→ **message sending/receving**

→ **Play music**

```
● ● ●
~/dev/temp $ ▮
```
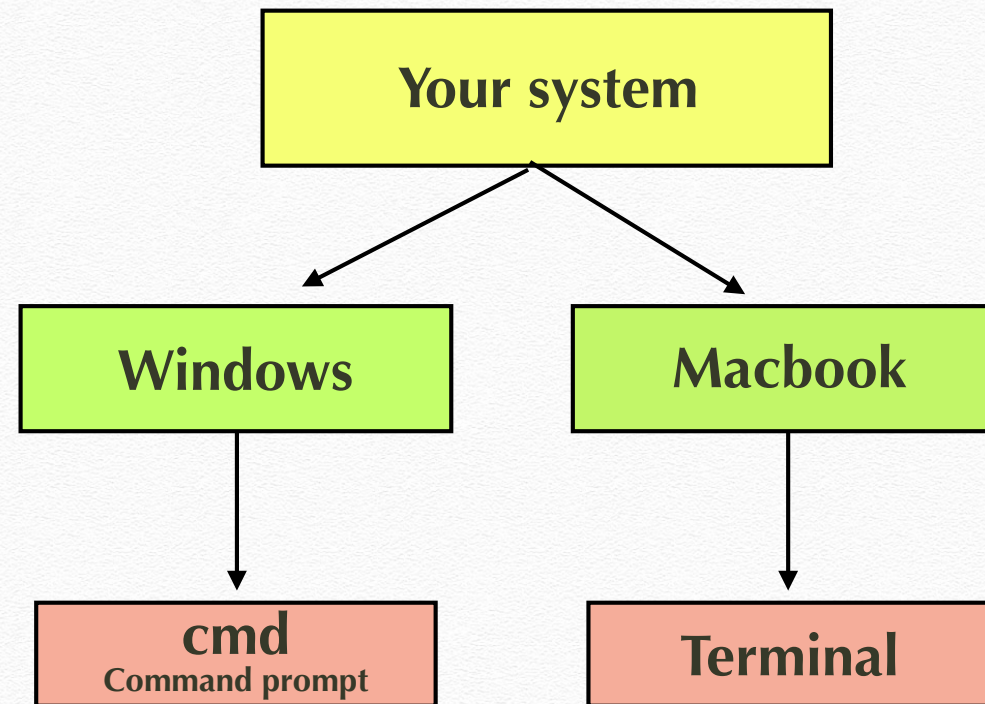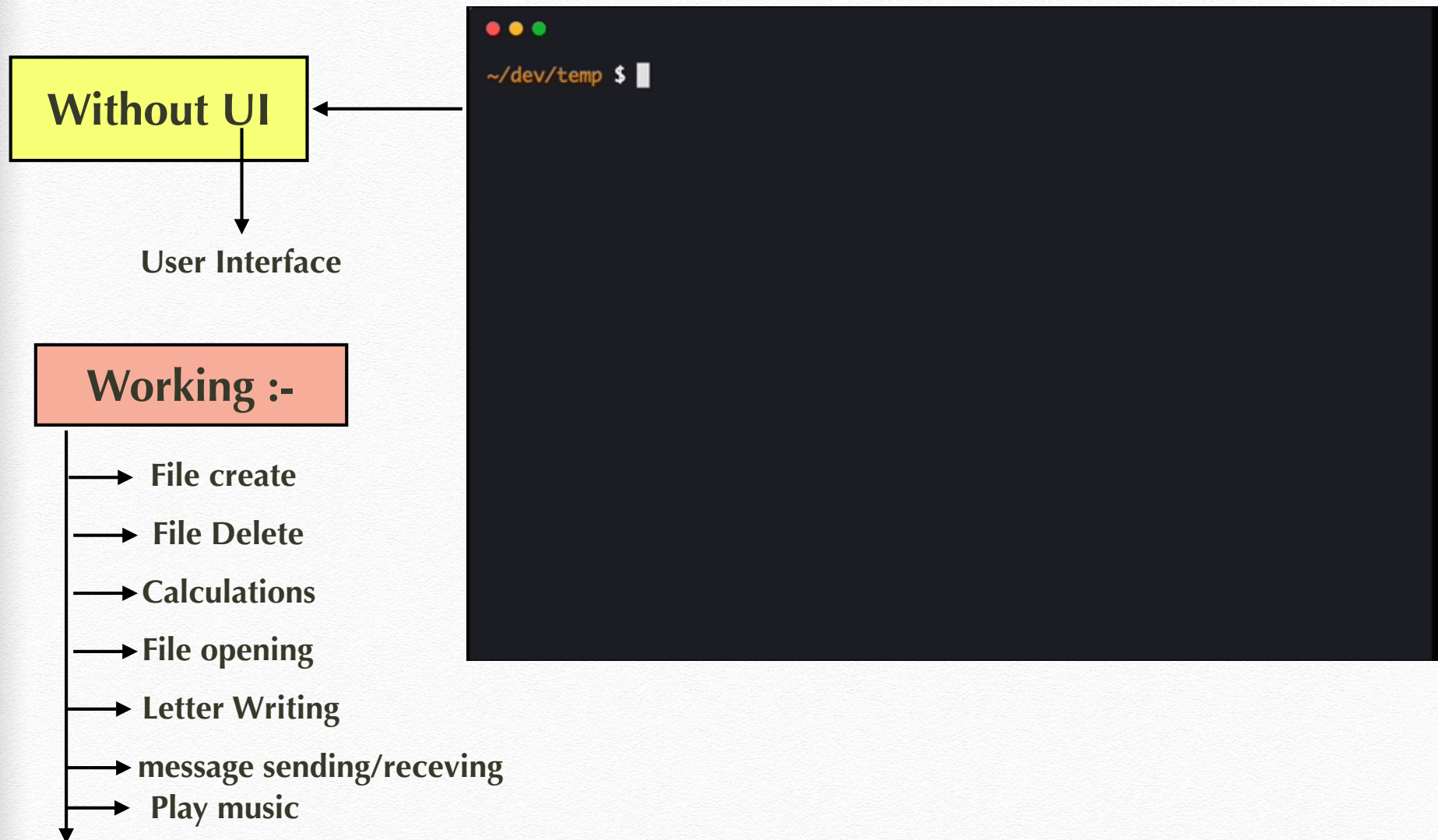
# User Interface of calculator

## UI

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ( | ) | mc | m+ | m– | mr | AC | +/– | % | ÷ |
| 2nd | $x^2$ | $x^3$ | $x^y$ | $e^x$ | $10^x$ | 7 | 8 | 9 | × |
| $\frac{1}{x}$ | $\sqrt[2]{x}$ | $\sqrt[3]{x}$ | $\sqrt[y]{x}$ | In | $\log_{10}$ | 4 | 5 | 6 | − |
| x! | sin | cos | tan | e | EE | 1 | 2 | 3 | + |
| Rad | sinh | cosh | tanh | π | Rand | 0 | | . | = |

## Terminal

**Process** →

← **Value**

**Data**

# FILE EXTENSIONS :-

| | |
|---|---|
| **Music** | **Mp3** |
| **Videos** | **Mp4 , 3gp , mkv** |
| **Books** | **.pdf** |
| **Written text** | **.txt** |
| **Python languuage** | **.py** |
| **c++** | **.cpp** |

# Our Text book...

```
                    ┌─────────────────┐
                    │   Your system   │
                    └─────────────────┘
                      ╱             ╲
                     ╱               ╲
        ┌──────────────┐         ┌──────────────┐
┌─────────┐│   Windows    │         │   Macbook    │┌──────────┐
│ Notepad │◄─┤              │         │              ├─►│ Textedit │
└─────────┘└──────────────┘         └──────────────┘└──────────┘
                    │                       │
                    ▼                       ▼
          ┌──────────────────┐     ┌──────────────┐
          │       cmd        │     │   Terminal   │
          │ Command prompt   │     │              │
          └──────────────────┘     └──────────────┘
```
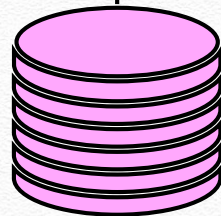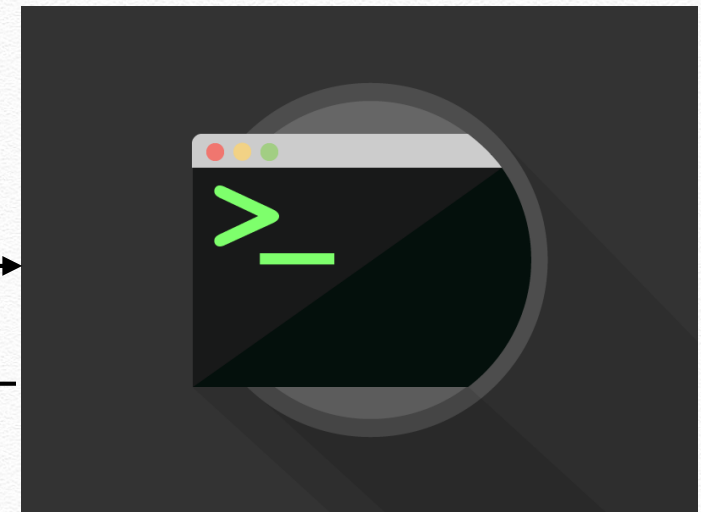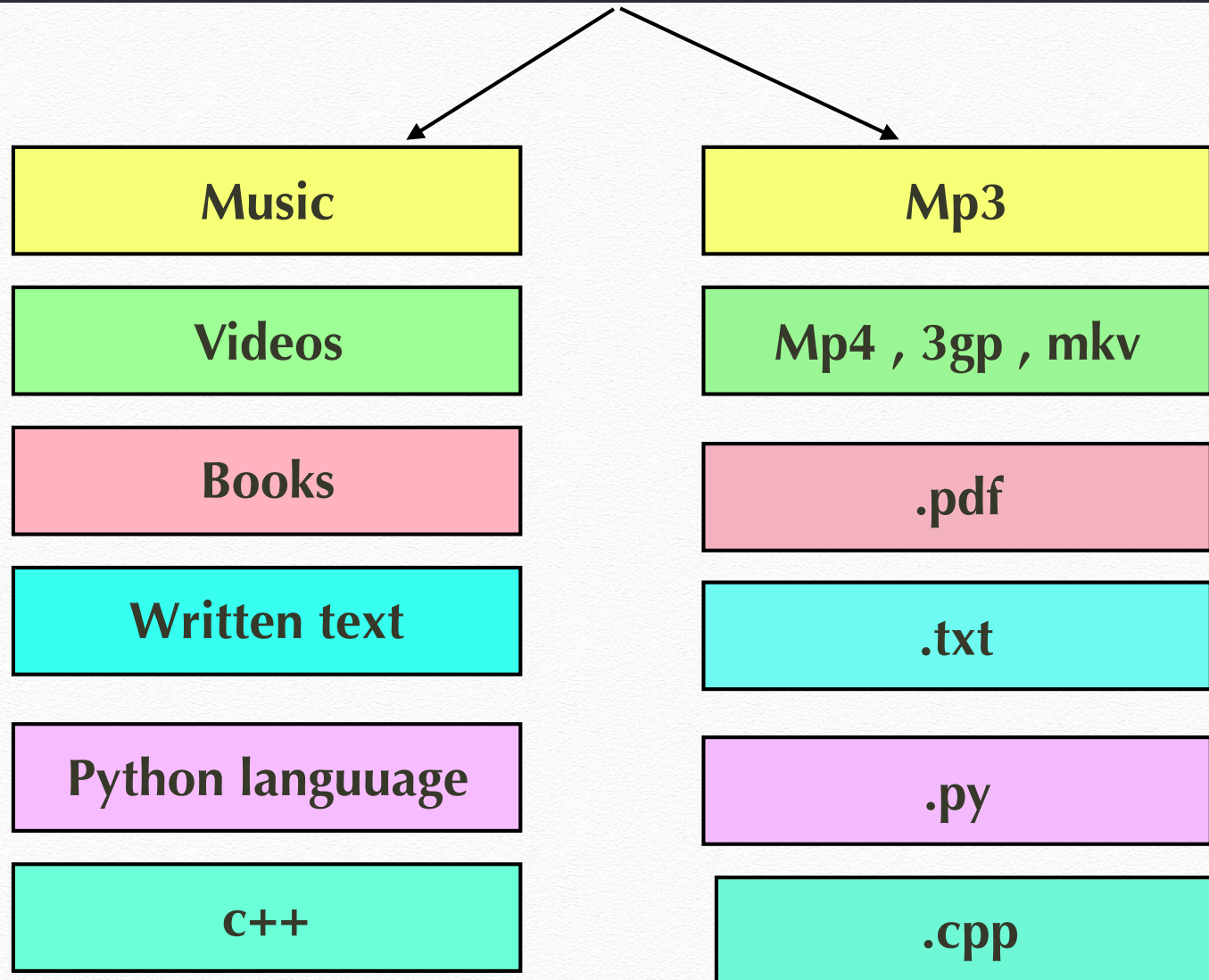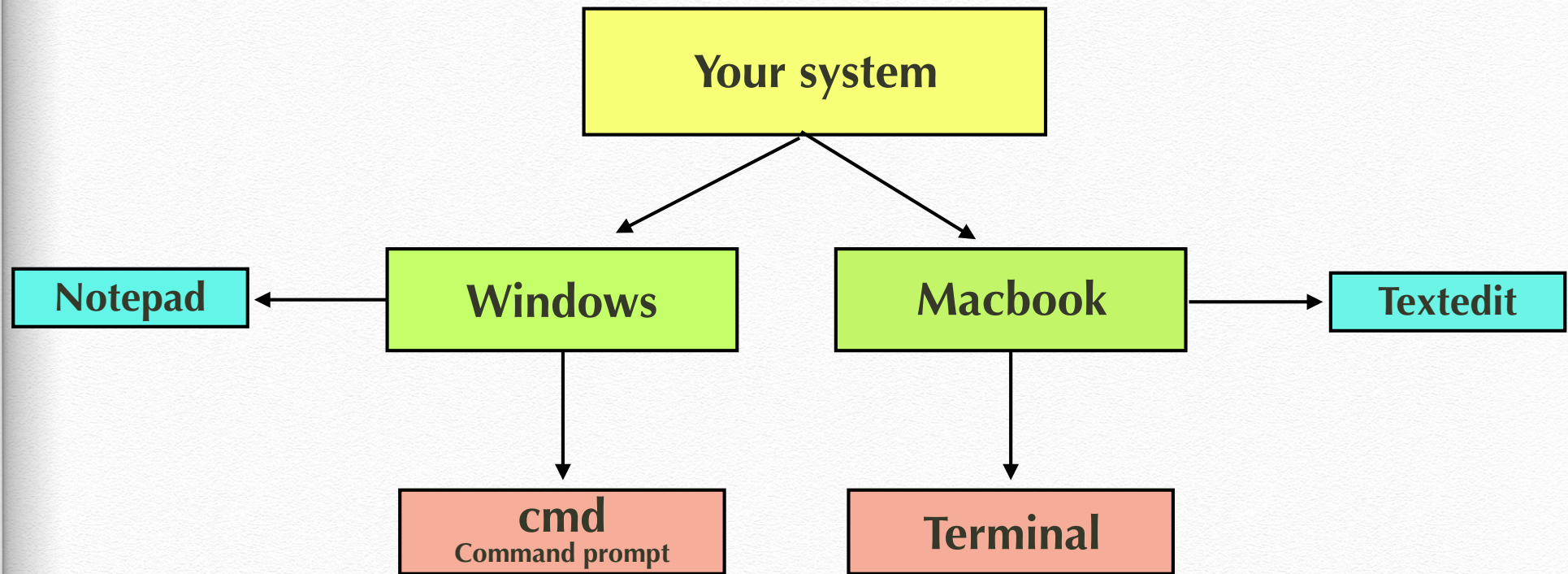
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**Hello World**

" If you feel any problem then comments in my video
I will reply as soon as possible "

- Prince Agarwal