Name: *BEN MECENE*

Surname : **BOUNGOU**

Student Number : *2120218622*

Homework

Definition of the following terms.

- **Compilers** : compilers are translation programs that convert high-level languages from programs into machine language.
- Ι**nterpreters** : Interpreters are programs that have been developed to run language programs without the need to compile them into machine language.

Seach for algorithm who used it in 1st background.

The specific algorithm used for the 1st background image can vary significantly from depending on the operating system or **Software**. **Backgroung** images are usually static images or graphics and do not necessarily involve complex algorithms.

Here is a general overview of how **Background** images are typically handled in modern computer systems.

- **Selection of image** : The user or system administrator selects an image to be used as the **Background**.
- **Scalling and positioning** : The system may allow the user to choose how the image is displayed on the screen.
- **Rendering** : The system uses basic image rendering techniques to display the selected image as the **Background**.
- **Update and Redraw** : The **Background** image is redraw as needed, such as when the system starts up, when the user logs in, or when changes are made to the Backgroung settings

Write your day routine more than 20 actions (Pseudo code, Flowshart)

```
        ( Start )
            |
            v
      [ Wake up ]
            |
            v
   [ Brush teeth
        and
    Take a shawer ]
            |
            v
   [ Prepar breakfast
        and
    Eat breakfast ]
            |
            v
      < Go to school >
      No          Yes
      |            |
      v            v
  [ Whach the   [ Check emails
      TV ]          and
                  Messages ]
```

```
          ┌──────────────┐              ┌──────────────────┐
          │  Go to super │              │  Attend classes  │
          │    market    │              │      and         │
          │              │              │   Complete       │
          └──────┬───────┘              │  assignments     │
                 │                      └────────┬─────────┘
                 ▼                               ▼
          ┌──────────────┐              ┌──────────────────┐
          │Buy somethings│              │Take a break time │
          └──────┬───────┘              └────────┬─────────┘
                 │                               ▼
                 ▼                      ┌──────────────────┐
          ┌──────────────┐              │  Return to class │
          │              │              │       and        │
          │     Pay      │              │  Continue the    │
          │              │              │      lesson      │
          └──────┬───────┘              └────────┬─────────┘
                 │                               │
                 │        ◇ Go back home ◇       │
                 └───────►◇             ◇◄───────┘
                          ◇             ◇
                                 │
                                 ▼
                        ┌──────────────┐
                        │Prepare dinner│
                        └──────┬───────┘
                               │
                               ▼
              No       ◇ Food is ready ◇      Yes
            ◄──────────◇               ◇──────────►
```

```
┌──────────────┐              ┌──────────────┐
│ Go to social │              │ Eat the food │
│    media     │              │              │
└──────┬───────┘              └──────┬───────┘
       │                             │
       ▼                             ▼
┌──────────────┐              ┌──────────────┐
│Review courses│              │ Take a bath  │
└──────┬───────┘              └──────┬───────┘
       │          ╭─────────╮        │
       └────────▶ │ Go to   │ ◀──────┘
                  │ sleep   │
                  ╰─────────╯
```

Go to social media

Eat the food

Review courses

Take a bath

Go to sleep