## ALGORITHM ESP32

Step 1:open "Arduino IDE"

**Step 2**: Plug the piece into the port via a USB cord >> Tools >> port >> Make sure that the port specified in the "Arduino IDE" is the same as the one in which the device is connected to the laptopor your PC

**Step 4**:File >> preferences >> Additional boards manager URLs: "https://dl.espressos.com/dl/package\_esp32\_index.json"

**Step 5**: Tools >> Board >> Board manager >> ESP 32 >> install

Step 6: Tools >> Board >> ESP32 Arduino >> WEMOS D1 MINI ESP32

**Step 3**: file >> examples >> Basics >> blink , This step works to ensure the correct operation of the piece by programming the existing LED in the piece with changing the time in "delay" to ensure that it works

#### Blink code:

# MAKING A CONVERTER FROM VOICE TO TEXT IN THE ARABIC LANGUAGE, SUCH AS:

https://s-m.com.sa/r2/test/

1:I used codepen to write the code in JavaScript

https://codepen.io/yara\_ghazi/pen/bGvgvbE?editors=0010

2:code of html



3:Run html



### 4:code of CSS

```
# ×
* CSS
   *,*::after,*::before{
       -webkit-box-sizing: border-box;
       -moz-box-sizing: border-box;
       -ms-box-sizing: border-box;
       box-sizing: border-box;
   body{
       font-family: arial;
       font-size: 16px;
       background:linear-gradient(to right bottom, #a48274 ,#f4e5df);
       display: flex;
       align-content: center;
       min-height: 100vh;
       color: #000;
   .voice_to_text{
       width: 600px;
       text-align: center;
   #convert_text{
       width: 100%;
       height: 200px;
       border-radius: 10px;
       resize: none;
       padding: 10px;
       font-size: 20px;
       margin-bottom: 10px;
30 v h1{
       color:#000;
   h2{
       color:#000;
   button{
       background: #433f3d;
       border: 0;
       border-radius: 5px;
       cursor: pointer;
       color: #f4e5df;
```

### 5:Run of CSS



6:code of js, the results in vin