

Task 2:

Write Algorithm for running Wasdom ESP32, can be programmed directly from the Arduino IDE, configure ESP32 in Arduino IDE and program it to Blink an LED.

***STEPS:**

- 1.Plug the ESP32 to your PC or laptob by using micro cable.
- 2.Go to file > preferences , put the package link to the esp32
https://dl.espressif.com/dl/package_esp32_index.json > ok
- 3.Go to Tools > Board > Boards Manager > from the search bar write "esp32" > click on install.
- 4..Go to Tools > Board > select the name of your ESP32 board
- 5.Go to Tools > Port and select a COM port available.
6. write the following code in arduion editor:

```
// the setup function runs once when you press reset or power the board
void setup() {
  // initialize digital pin LED_BUILTIN as an output.
  pinMode(LED_BUILTIN, OUTPUT);
}

// the loop function runs over and over again forever
void loop() {
  digitalWrite(LED_BUILTIN, HIGH); // turn the LED on (HIGH is the voltage level)
  delay(1000);                     // wait for a second
  digitalWrite(LED_BUILTIN, LOW);  // turn the LED off by making the voltage LOW
  delay(1000);                     // wait for a second
}
```

- 7.press the upload button.