Task QP: Create a LED Blinking Pattern on ESP32 using Wokwi Simulator with the following conditions,

A. LED ON for 2 seconds

B. LED OFF for 4 seconds

C. LED ON for 4 seconds

D. LED OFF for 2 seconds

#define LED\_PIN 19

void setup() {

  // put your setup code here, to run once:

  // Set the LED pin as an output

  pinMode(LED\_PIN, OUTPUT);

}

void loop() {

  // Turn the LED on

  digitalWrite(LED\_PIN, HIGH);

  delay(4000); // Wait for 1 second

  // Turn the LED off

  digitalWrite(LED\_PIN, LOW);

  delay(5000); // Wait for 1 second

   digitalWrite(LED\_PIN, HIGH);

  delay(3000); // Wait for 1 second

  // Turn the LED off

  digitalWrite(LED\_PIN, LOW);

  delay(4000); // Wait for 1 second

}

E. Repeat this sequence indefinitely