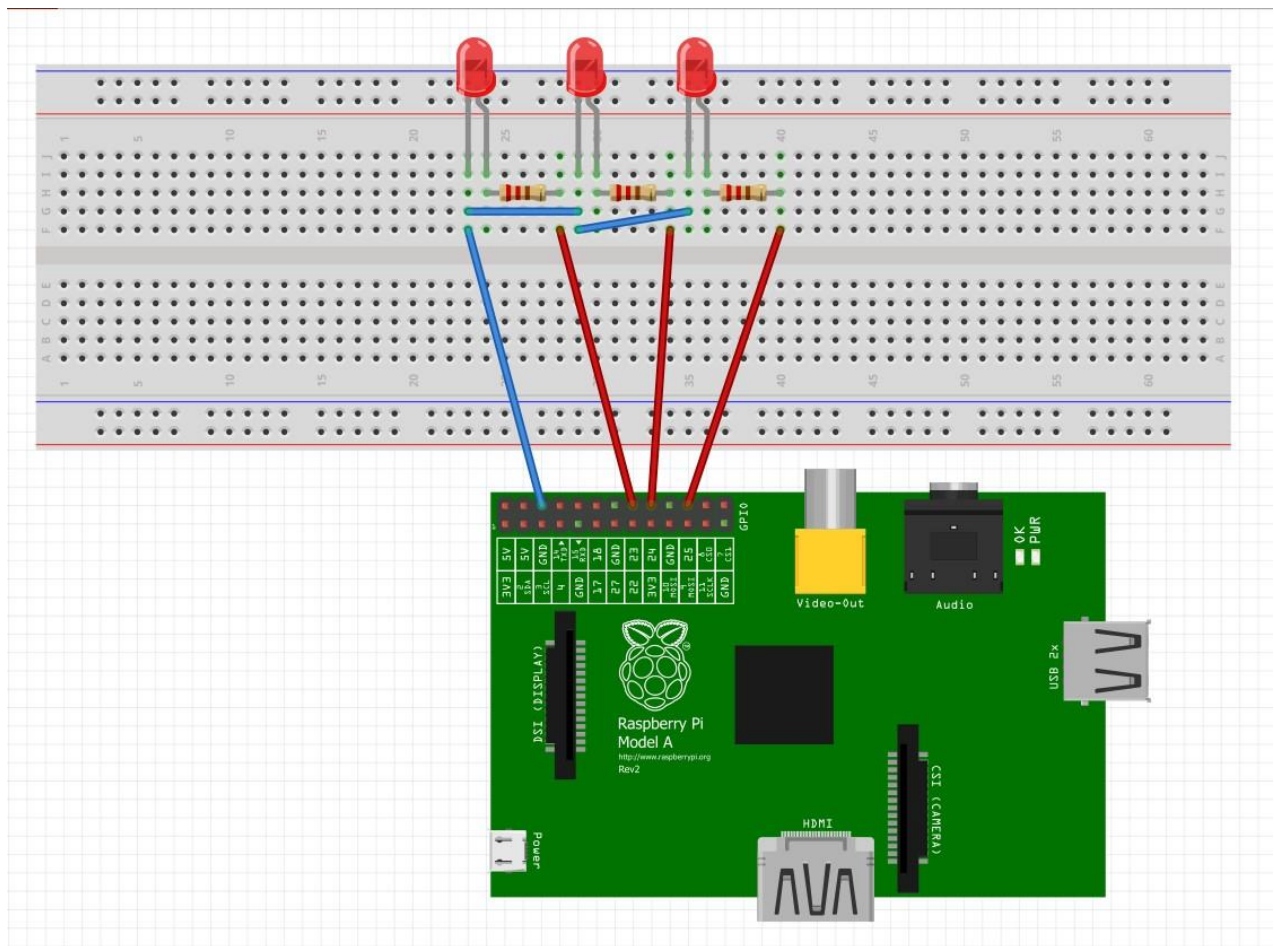# ASSIGNMENT -2

NAME: GOPINAATH V
CLASS: ECE-A
REG-NO: 183002049

Create a Blinking LED Wave with Three LEDs

Connection:

Code:

```python
import RPi.GPIO as GPIO # Import Raspberry Pi GPIO library
from time import sleep # Import the sleep function from the time module
GPIO.setwarnings(False) # Ignore warning for now
GPIO.setmode(GPIO.BOARD) # Use physical pin numbering
GPIO.setup(16, GPIO.OUT, initial=GPIO.LOW) # Set pin 16 to be an output pin and set initial value to low (off)
GPIO.setup(18, GPIO.OUT, initial=GPIO.LOW)
GPIO.setup(22, GPIO.OUT, initial=GPIO.LOW)

while True: # Run forever
GPIO.output(16, GPIO.HIGH) # Turn on
sleep(1) # Sleep for 1 second
GPIO.output(16, GPIO.LOW) # Turn off
sleep(1) # Sleep for 1 second
GPIO.output(18, GPIO.HIGH) # Turn on
sleep(1) # Sleep for 1 second
GPIO.output(18, GPIO.LOW) # Turn off
sleep(1) # Sleep for 1 second
GPIO.output(22, GPIO.HIGH) # Turn on
sleep(1) # Sleep for 1 second
GPIO.output(22, GPIO.LOW) # Turn off
sleep(1) # Sleep for 1 second
GPIO.output(18, GPIO.HIGH) # Turn on
Sleep(1) # Sleep for 1 second
GPIO.output(18, GPIO.LOW) # Turn off
Sleep(1) # Sleep for 1 second
```