**PRACTICAL 10**

**Write a program to use Relay to control electrical equipment.**

|  |
| --- |
| import RPi.GPIO as GPIO |
|  | import time |
|  |  |
|  | in1 = 16 |
|  | in2 = 18 |
|  |  |
|  | GPIO.setmode(GPIO.BOARD) |
|  | GPIO.setup(in1, GPIO.OUT) |
|  | GPIO.setup(in2, GPIO.OUT) |
|  |  |
|  | GPIO.output(in1, False) |
|  | GPIO.output(in2, False) |
|  |  |
|  | try: |
|  | while True: |
|  | for x in range(5): |
|  | GPIO.output(in1, True) |
|  | time.sleep(0.1) |
|  | GPIO.output(in1, False) |
|  | GPIO.output(in2, True) |
|  | time.sleep(0.1) |
|  | GPIO.output(in2, False) |
|  |  |
|  | GPIO.output(in1,True) |
|  | GPIO.output(in2,True) |
|  |  |
|  | for x in range(4): |
|  | GPIO.output(in1, True) |
|  | time.sleep(0.05) |
|  | GPIO.output(in1, False) |
|  | time.sleep(0.05) |
|  | GPIO.output(in1,True) |
|  |  |
|  | for x in range(4): |
|  | GPIO.output(in2, True) |
|  | time.sleep(0.05) |
|  | GPIO.output(in2, False) |
|  | time.sleep(0.05) |
|  | GPIO.output(in2,True) |
|  |  |
|  |  |
|  |  |
|  | except KeyboardInterrupt: |
|  | GPIO.cleanup() |