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**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() |

**Output:-**

