LDR controlled LED

```
                        ( start )
                            |
                            v
            +-------------------------------+
            |    Take LDR module as input   |
            +-------------------------------+
                            |
                            v
            +-------------------------------+
            |  Take Arduino UNO for interfacing |
            +-------------------------------+
                            |
                            v
            +-------------------------------+
            |      Take LED as output       |
            +-------------------------------+
                            |
                            v
            +-------------------------------+
            |  Connect VCC and GND of sensor to |
            |       Arduino 5v & GND        |
            +-------------------------------+
                            |
                            v
            +-------------------------------+
            |  Connect anode to pin D9 and cathode |
            |           to GND              |
            +-------------------------------+
                            |
                            v
    +-----------------------------------------------------+
    |  Connect LDR negative end to A0 nd positive end to VCC |
    +-----------------------------------------------------+
                            |
                            v
            +-------------------------------+
            | Upload programming code to Arduino |
            +-------------------------------+
```

```
          ┌─────────────┐
          │    start    │
          └──────┬──────┘
                 │
                 ▼
        ┌─────────────────┐
        │  Read LDR value │
        └────────┬────────┘
                 │
                 ▼
              ╱─────╲
            ╱ Intensity ╲        NO      ┌──────────┐
           ⟨   <700      ⟩──────────────▶│ LED OFF  │
            ╲           ╱               └──────────┘
              ╲───┬───╱
                  │   YES
                  ▼
          ┌─────────────┐
          │   LED on     │
          └─────────────┘
```

start

Read LDR value

Intensity <700

NO

LED OFF

YES

LED on