

Assignment -1

Build a smart home in Thinkercad with 2 sensors, an Led, buzzer.

- We built a smart home in thinkercard with PIR sensor,LDR sensor,LED and Piezo buzzer.
- Light Dependent Resistor(LDR) sensor is used to turn on the light.
- The resistance of the LDR is normally high , when the light falls on it the resistance of the sensor is low.
- So,it allows the current to pass through it.
- Based on this process, first we allow the current to pass through the LDR sensor.
- Once the resistance of the sensor becomes low the current pass to the LED and it will glow.
- PIR sensors allow you to sense motion.
- So,we detect the movement by this sensor.
- The Piezo buzzer is connected to PIR sensor if any motion is detected ,the buzzer will ring.

