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**USN: 1BM18CS035**

**Program Number : 4**

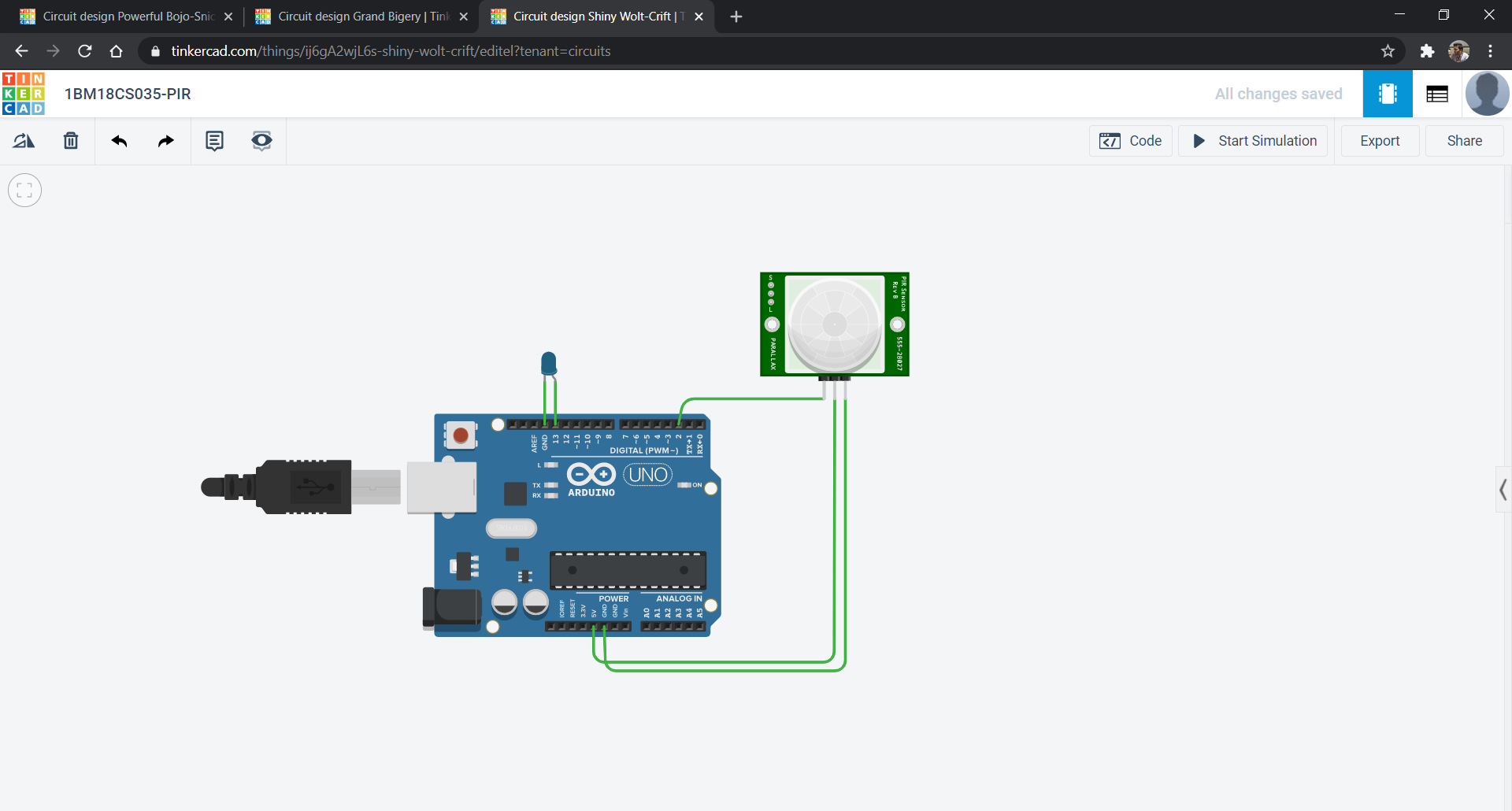
**Program Title : Motion detection sensor (PIR)**

**AIM: Basically to turn on the led whenever motion is detected by photo resistor.**

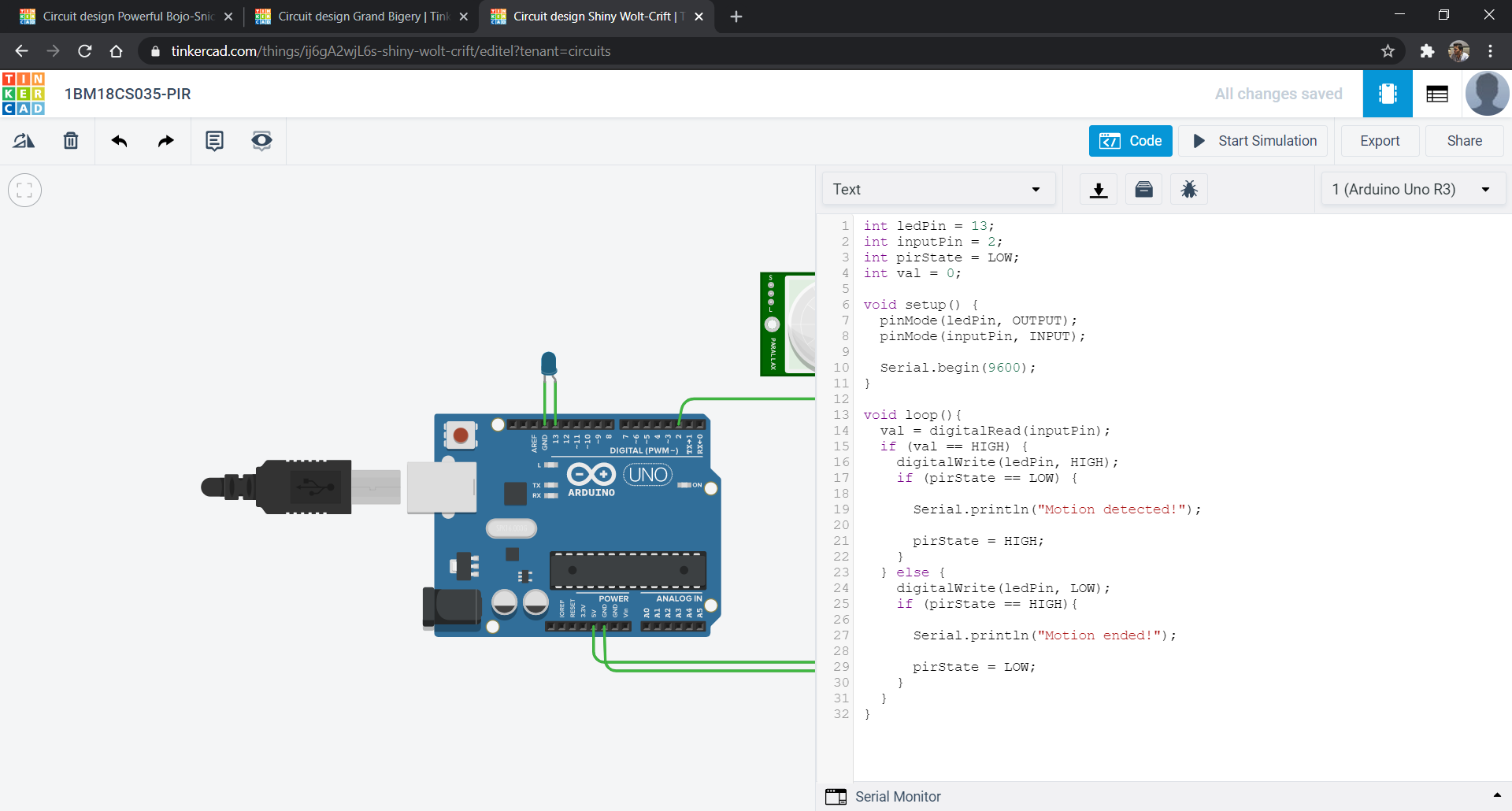
**Hardware Required:**

* **Arduino Board**
* **Led**
* **Photo resistor**

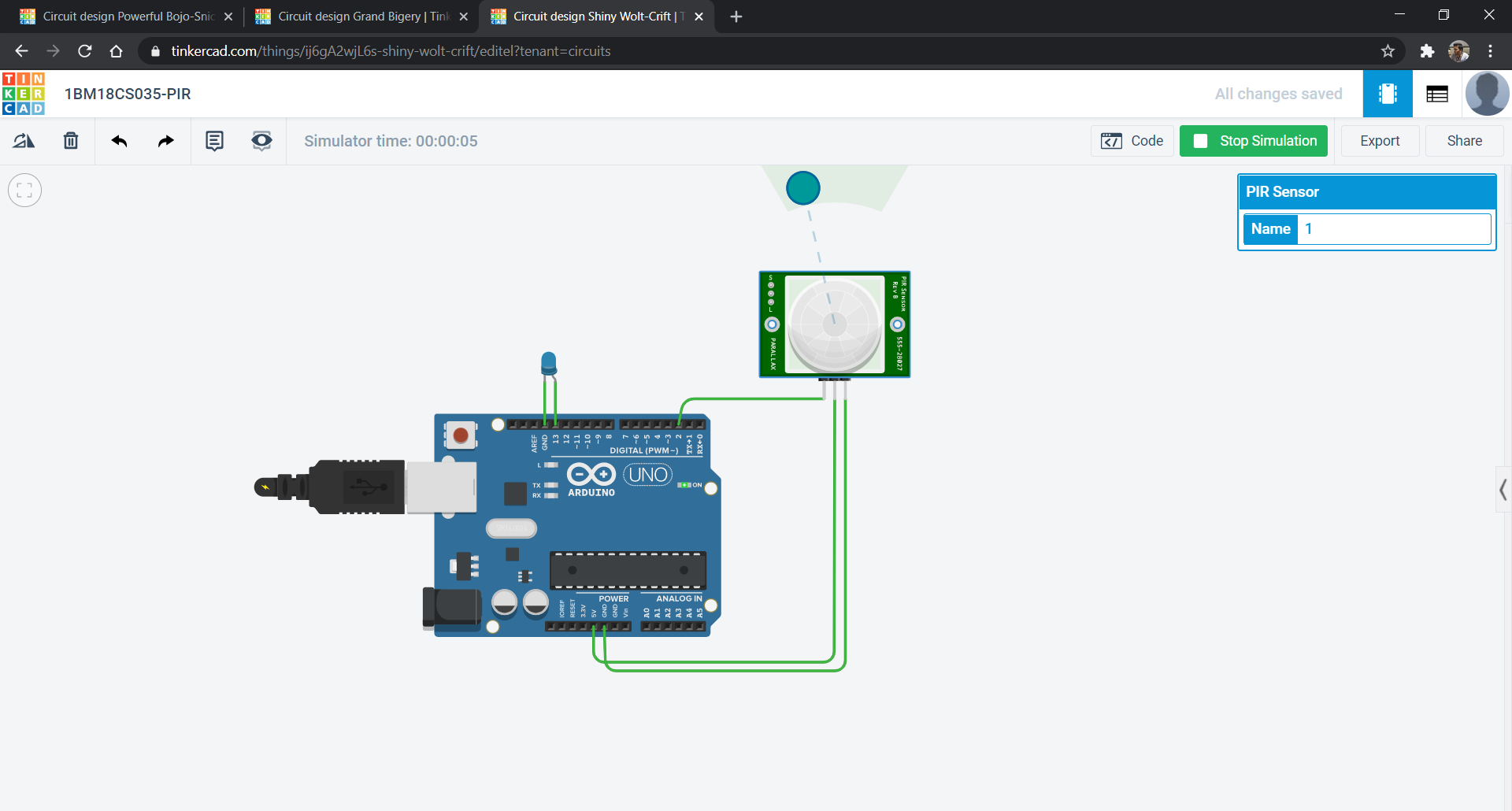
**Circuit Diagram:**



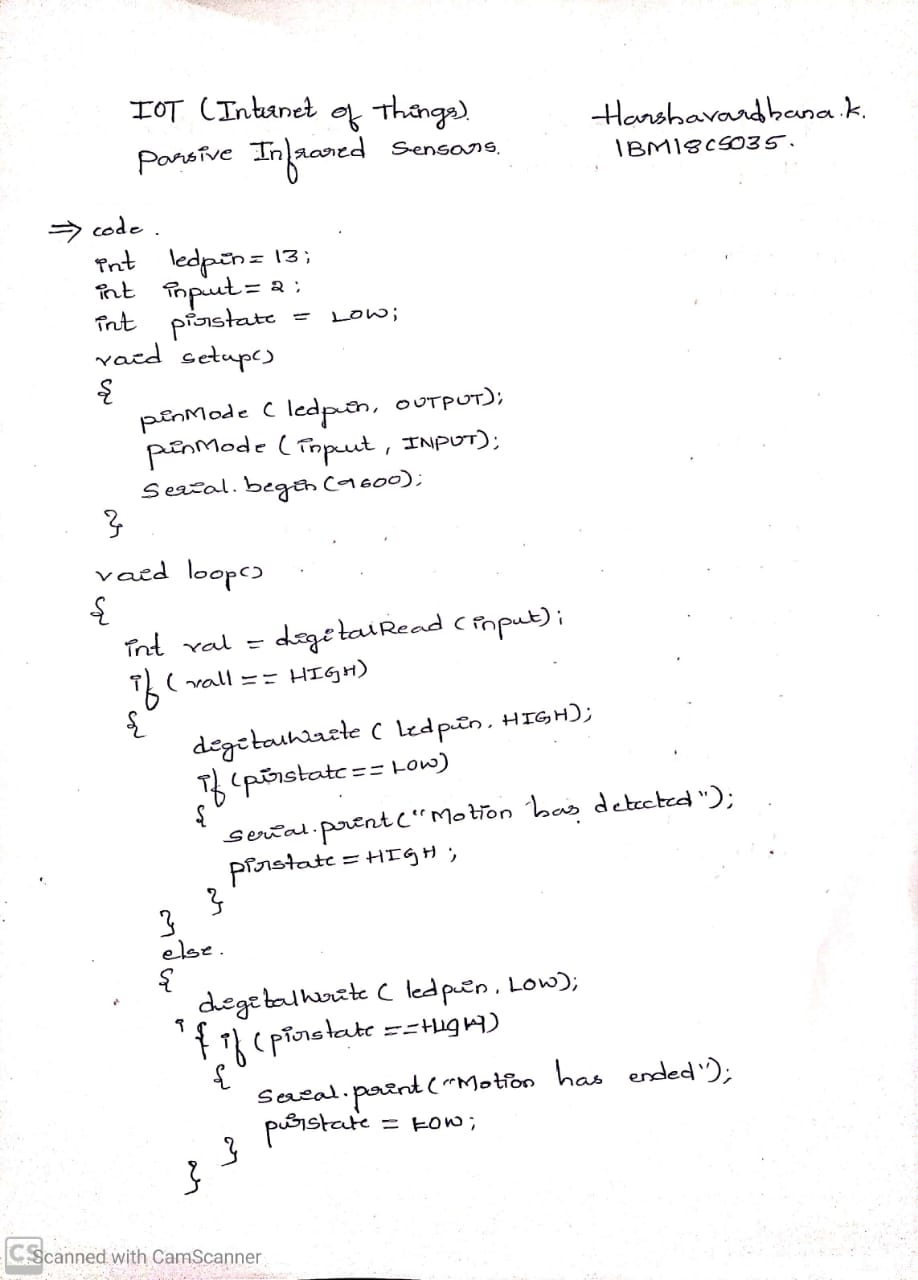
**Circuit diagram along with code:**



**Simulation:**

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**Code:**

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**Observation/output:**

Led was turned on whenever there is motion.