

Project 11 - Tilt Ball Switch

Copy and Paste the code below into the Arduino sketch window. Verify and upload the code to the board.

```
//Using predefined LED_BUILTIN = 13
const int tiltSensorPin = 2;      //the tilt ball switch pin

void setup()
{
  pinMode(LED_BUILTIN, OUTPUT);    //initialize the ledPin as an output
  pinMode(tiltSensorPin,INPUT_PULLUP); //set the tilt switch input and set to high
  using pull up resistors
}

/*****/
void loop()
{
  int digitalVal = digitalRead(tiltSensorPin);    //Returns a HIGH or LOW
  if(digitalVal)
  {
    digitalWrite(LED_BUILTIN, LOW);              //turns the led off
  }
  else
  {
    digitalWrite(LED_BUILTIN, HIGH);            //turns the led on
  }
}
/*****/
```