```
double flow; //Water flow L/Min
int flowsensor = 2;
unsigned long currentTime;
unsigned long lastTime;
unsigned long pulse_freq;

void pulse () // Interrupt function

{
  pulse_freq++;
}

  void setup()
 {
  pinMode(flowsensor, INPUT);
  Serial.begin(9600);
  attachInterrupt(0, pulse, RISING); // Setup Interrupt
  currentTime = millis();
  lastTime = currentTime;
}

  void loop ()
{
  currentTime = millis();
  // Every second, calculate and print L/Min
  if(currentTime >= (lastTime + 1000))
  {
    lastTime = currentTime;
    // Pulse frequency (Hz) = 7.5Q, Q is flow rate in L/min.
```

```
    flow = (pulse_freq / 7.5);
    pulse_freq = 0; // Reset Counter
    Serial.print(flow, DEC);
    Serial.println(" L/Min");

  }
}
```