IoT – Assignment – 3 (IR Sensor)
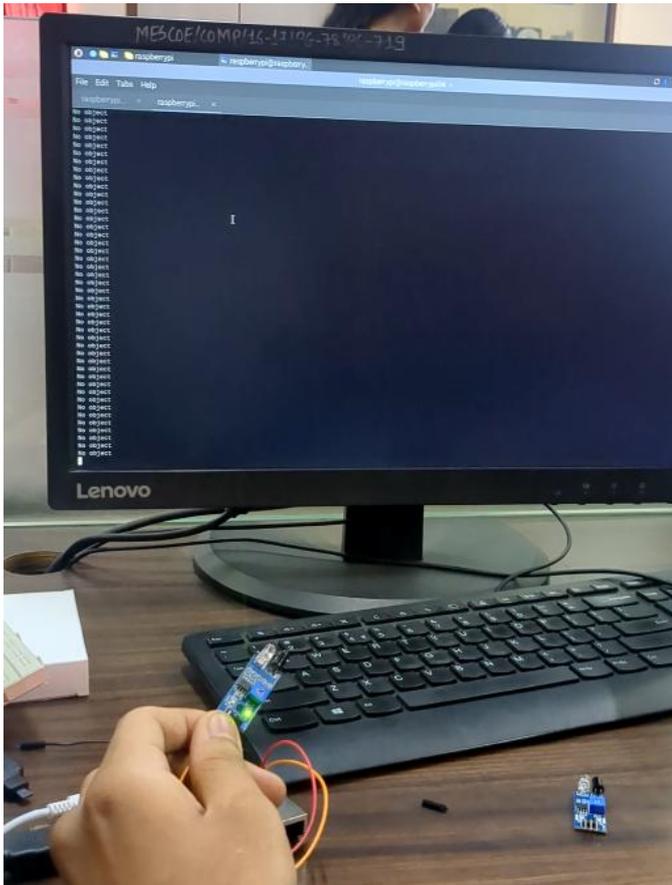
Code

```python
# BEGINNING OF CODE
import RPi.GPIO as GPIO
import time

GPIO.setmode(GPIO.BCM)
GPIO.setwarnings(False)
GPIO.cleanup()
GPIO.setup(16,GPIO.IN)

try:
    while True:
        if (GPIO.input(16)):
            print("No object")
        else:
            print("Object Detected")
except KeyboardInterrupt:
    GPIO.cleanup()
# END OF CODE
```
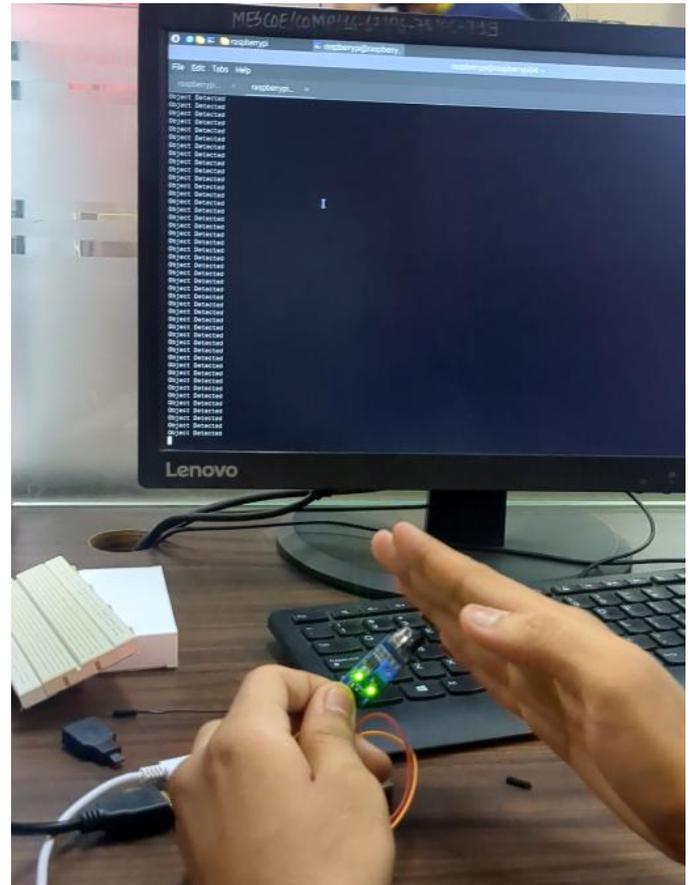
Output

Figure 1: No object in front of sensor, hence "No object" displayed on screen.

Figure 2: Object in front of sensor, hence "Object detected" displayed on on screen

--- END OF DOCUMENT ---