1. Write and execute a program to interface IR Sensor with Arduino kit.

Q.1 What are the different applications of IOT?

Q.2 Explain IR sensor in brief.

Q.3 Write a difference between sensors and actuators.

IR SENSOR CODE ARDUINO

CONNECTION: GND TO GND , OUT PIN TO PIN 2 & 5V TO 5V

CODE :

int SensorPin = 2;

int OutputPin = 13;

void setup() {

pinMode(OutputPin, OUTPUT);

pinMode(SensorPin, INPUT);

Serial.begin(9600);

}

void loop() {

int SensorValue = digitalRead(SensorPin);

Serial.print("SensorPin Value: ");

Serial.println(SensorValue);

delay(1000);

if (SensorValue==LOW){ // LOW MEANS Object Detected

digitalWrite(OutputPin, HIGH);

}

else

{

digitalWrite(OutputPin, LOW);

}

}