

ASSIGNMENT-01

IOT ENABLED CODING

ASSIGNMENT NUMBER	01
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WRITE A CODE TO AUTOMATE THE HOME USING VARIOUS SENSORS

PROGRAM

```
int pir = A1;
int forceSensor = A2;
int buzzer = 9;

void setup()
{
  Serial.begin(9600);
  pinMode(pir, INPUT);
  pinMode(forceSensor, INPUT);
  pinMode(buzzer, OUTPUT);
}

void loop()
{
  if(isPressed() || isMoving())
  {
    digitalWrite(buzzer, HIGH);
    delay(5000);
  }
  digitalWrite(buzzer, LOW);
  delay(500);
}
```

```
}
```

```
bool isPressed()
```

```
{
```

```
    Serial.println("Pressing");
```

```
    if(analogRead(A2)>100)
```

```
        return(true);
```

```
    else
```

```
        return(false);
```

```
}
```

```
bool isMoving()
```

```
{
```

```
    Serial.println("Moving");
```

```
    if(analogRead(A1)>100)
```

```
        return(true);
```

```
    else
```

```
        return(false);
```

```
}
```

