

<b>Program No:</b>	<b>15</b>
<b>Roll No :</b>	<b>1554</b>
<b>Title of Program :</b>	<b>Visitor counter using PIR sensor and LCD</b>
<b>Objective :</b>	<b>To design a visitor counter system using a PIR sensor and LCD to detect and display the number of visitors.</b>

## Source Code:

```
#include <LiquidCrystal.h>
```

```
const int rs = 12;
const int en = 11;
const int d4 = 7;
const int d5 = 8;
const int d6 = 9;
const int d7 = 10;
```

```
LiquidCrystal lcd(rs, en, d4, d5, d6, d7);
int visitct = 0;
int pir = 1;
```

```
void setup() {
  lcd.begin(16, 2); // Initialize LCD for 16 columns and 2 rows
  pinMode(pir, INPUT);
}
```

```
void loop() {
  lcd.setCursor(0, 0); // Move to the first row, first column
  lcd.print("No of Visits:"); // Print the label
```

```
  if (digitalRead(pir) == HIGH) {
    visitct++; // Increment visit count if PIR sensor detects motion
    delay(1000); // Delay to avoid multiple counts for one motion
```

```
}
```

```
lcd.setCursor(0, 1); // Move to the second row, first column
```

```
lcd.print(visitct); // Print the visit count
```

```
}
```

## Output:



