

## IOT WITH AI PRACTICAL NO 3

SOURCE CODE:

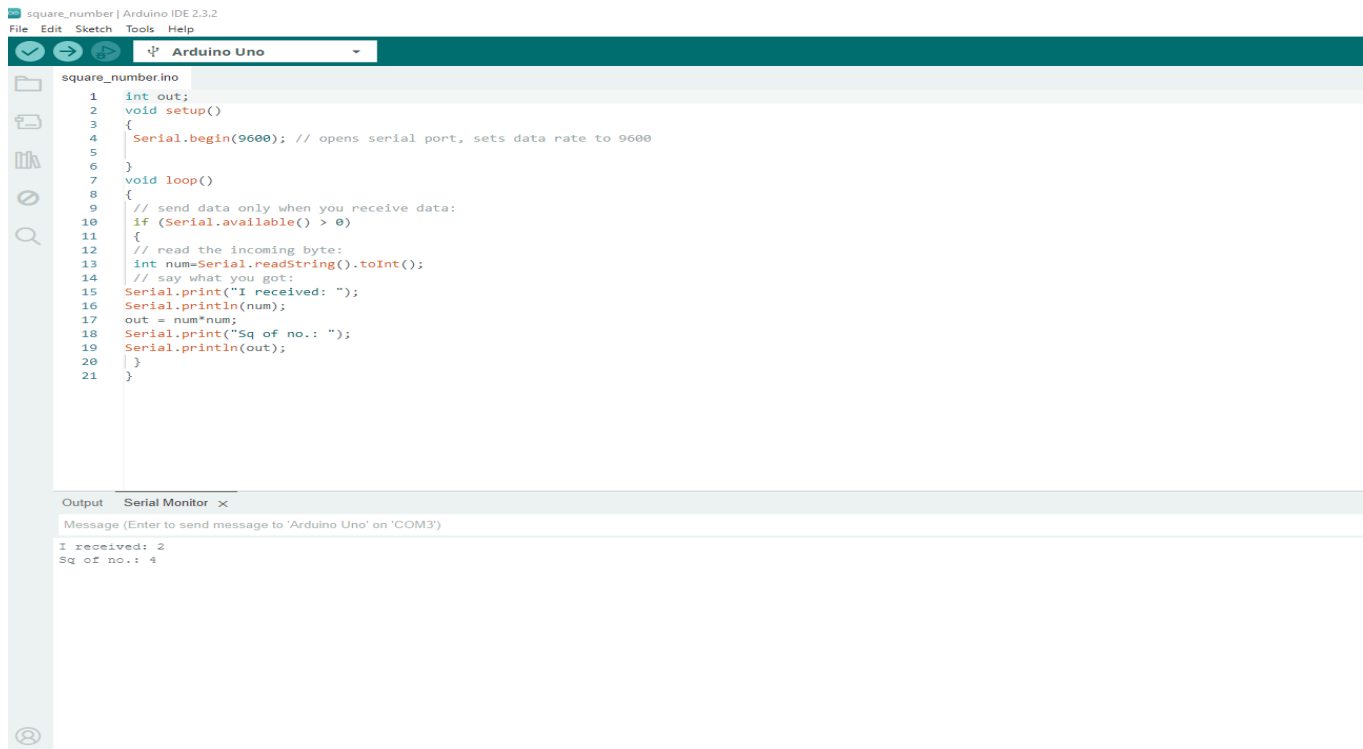
```
int out;

void setup()
{
  Serial.begin(9600);
}

void loop()
{
  if (Serial.available() > 0)
  {
    int num=Serial.readString().toInt();

    Serial.print("I received: ");
    Serial.println(num);
    out = num*num;
    Serial.print("Sq of no.: ");
    Serial.println(out);
  }
}
```

## OUTPUT:



The screenshot displays the Arduino IDE 2.3.2 environment. The top menu bar includes 'File', 'Edit', 'Sketch', 'Tools', and 'Help'. The toolbar shows icons for saving, running, and uploading. The 'Board' dropdown is set to 'Arduino Uno'. The main editor window shows the sketch 'square\_number.ino' with the following code:

```
1 int out;
2 void setup()
3 {
4   Serial.begin(9600); // opens serial port, sets data rate to 9600
5 }
6 void loop()
7 {
8   // send data only when you receive data:
9   if (Serial.available() > 0)
10  {
11    // read the incoming byte:
12    int num=Serial.readString().toInt();
13    // say what you got:
14    Serial.print("I received: ");
15    Serial.println(num);
16    out = num*num;
17    Serial.print("Sq of no.: ");
18    Serial.println(out);
19  }
20 }
21 }
```

Below the editor, the 'Serial Monitor' tab is active, showing the output of the sketch. The message input field contains the text 'Message (Enter to send message to 'Arduino Uno' on 'COM3')'. The output area displays the following text:

```
I received: 2
Sq of no.: 4
```