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Practical No: 8

Title: Write a program that asks the user for a number and output the number squared that is entered

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Code:

```
int out;

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

void loop() {   if
(Serial.available() > 0)
{
      int num =
      Serial.parseInt();
      Serial.print("I received:
");     Serial.println(num);
out = num * num;
      Serial.print("Enter the Number for Square: ");
      Serial.println(out);
  }
}
```
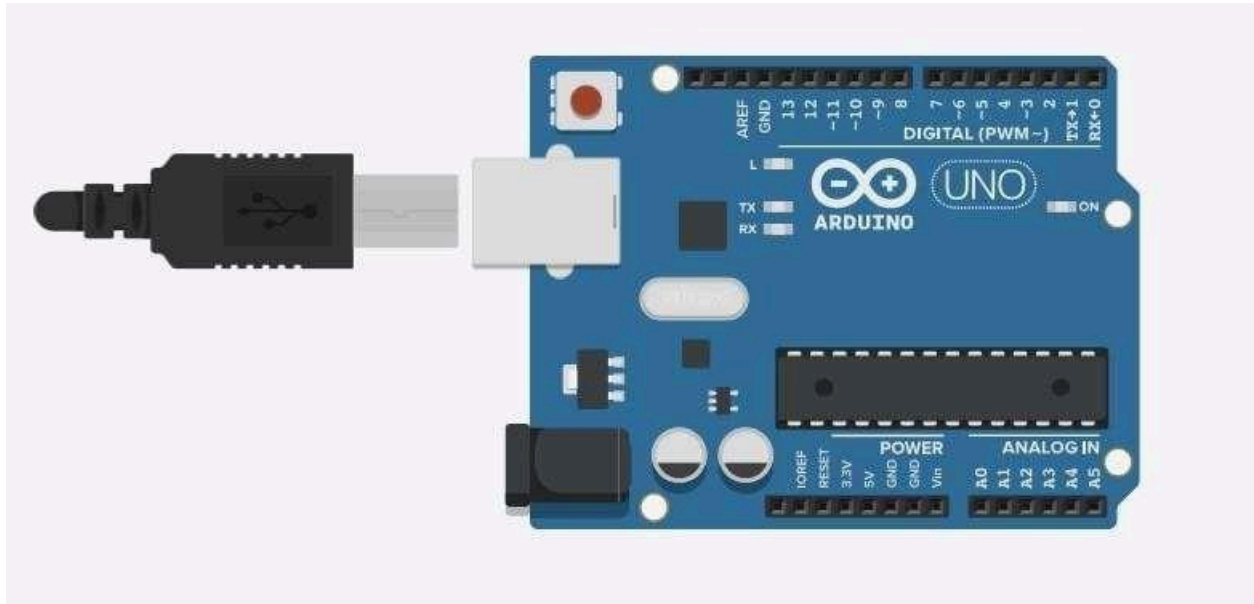

O/P:

Connections: Here we only need to take the Arduino UNO board.

Step1: Take the Arduino UNO board.

Step2: Enter the number you want to square(Here as we have given integer as a input so float number is not acceptable in this case)


```
I received: 2
Enter the Number for Square: 4
I received: 5
Enter the Number for Square: 25
I received: 6
Enter the Number for Square: 36
```

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Circuit Diagram :