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**Subject : Internet of things**

**Class : SE(A)**

**Branch : AI&DS**

**Assignment No : 08**

Write a program that asks the user for a number and outputs the number squared that is entered.

**Code:**

```
Void setup()

{ // put your setup code here, to run once:

Serial.begin(9600);

Serial.println("input a number");

}

Void loop() {

    // put your main code here, to run repeatedly:

    Int inp=Serial.parseInt();

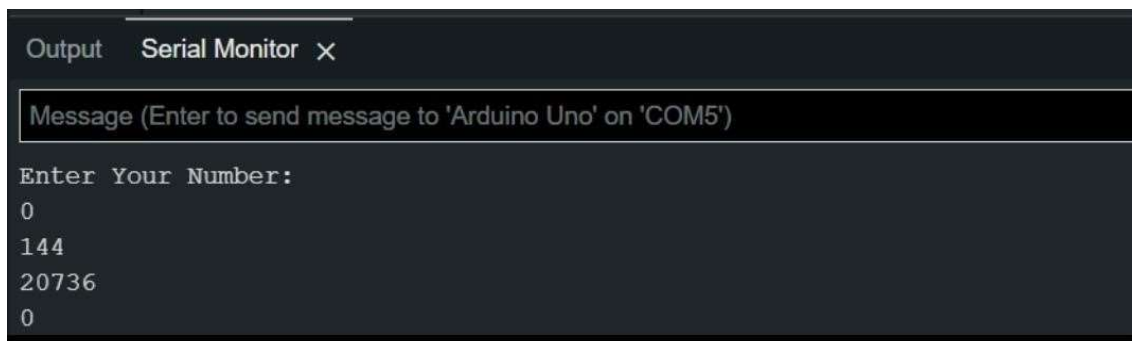
    Int inpsq= sq(inp);

    Serial.println(int(inpsq));

    Delay(500);

}
```

**OUTPUT:**

A screenshot of the Arduino IDE's Serial Monitor window. The window has a title bar with 'Output' and 'Serial Monitor' followed by a close button. Below the title bar is a text input field with the placeholder text 'Message (Enter to send message to 'Arduino Uno' on 'COM5')'. The main area of the window displays the program's output in a monospaced font. It starts with the prompt 'Enter Your Number:', followed by the user's input '0', the calculated square '144', the next user input '20736', and the final output '0'.

```
Output  Serial Monitor ×

Message (Enter to send message to 'Arduino Uno' on 'COM5')

Enter Your Number:
0
144
20736
0
```