Inner Class with Constructor:

Write a Java program to create an outer class called Person with an inner class Address. The Address class should have a constructor that takes parameters city and state. Create an instance of Address from the Person class and print the address details.

Sample Solution:

Java Code:

Person.java

```java
// Outer class Person
public class Person {
    // Inner class Address
    class Address {
        // Instance variables for city and state
        String city;
        String state;

        // Constructor for Address class
        Address(String city, String state) {
            this.city = city;
            this.state = state;
        }

        // Method to display address details
        void displayAddress() {
            System.out.println("City: " + city + ", State: " + state);
        }
    }

    // Main method to demonstrate creating an instance of the inner class
    public static void main(String[] args) {
        // Creating an instance of the outer class Person
        Person person = new Person();

        // Creating an instance of the inner class Address
        Person.Address address = person.new Address("New Delhi", "ND");

        // Calling the displayAddress method to print address details
        address.displayAddress();
```

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```
            }
        }
```

Output:

City: New Delhi, State: ND

Explanation: