

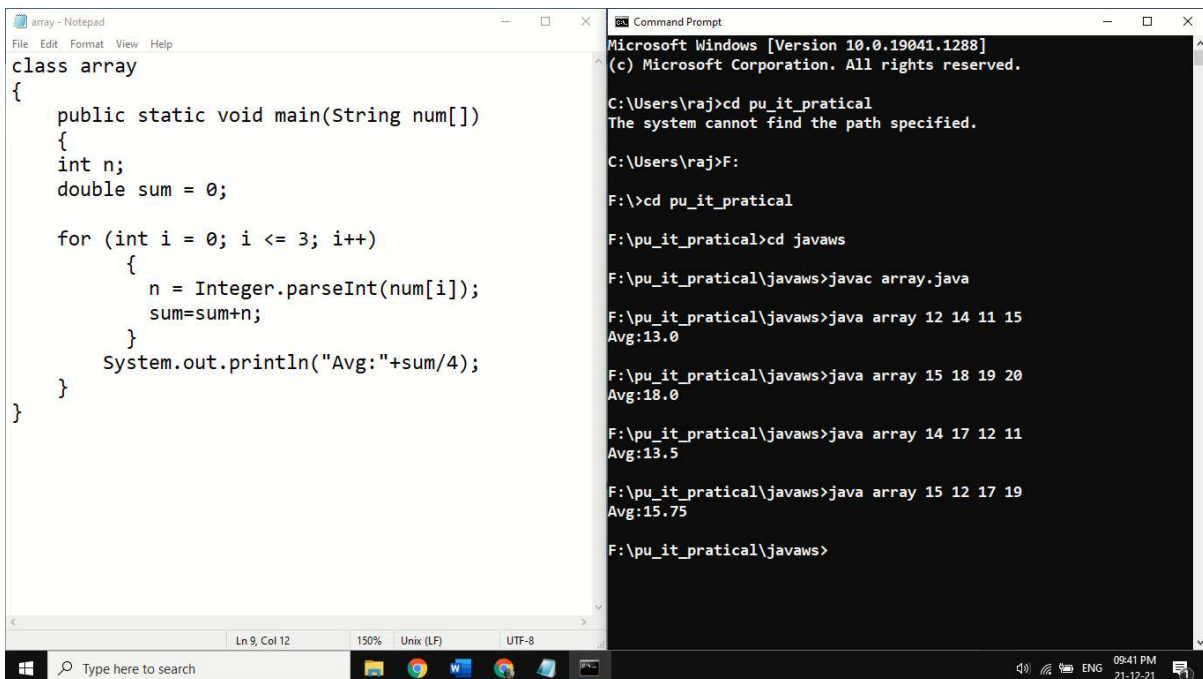
Practical 5:

AIM: Write a program that creates and initializes a four integer element array. Calculate and display the average of its values.

Code:

```
class array
{
    public static void main(String num[])
    {
        int n;
        double sum = 0;
        for (int i = 0; i <= 3; i++)
        {
            n = Integer.parseInt(num[i]);
            sum=sum+n;
        }
        System.out.println("Avg:"+sum/4);
    }
}
```

OUTPUT:



The screenshot shows two windows side-by-side. The left window is a Notepad editor titled 'array - Notepad' containing the Java code from the previous block. The right window is a Command Prompt titled 'Command Prompt' showing the execution of the program. The prompt shows the user navigating to the directory 'F:\pu_it_practical\javaws' and running 'javac array.java' followed by four runs of 'java array' with different input arrays: '12 14 11 15', '15 18 19 20', '14 17 12 11', and '15 12 17 19'. The output for each run is 'Avg:13.0', 'Avg:18.0', 'Avg:13.5', and 'Avg:15.75' respectively.

```
array - Notepad
File Edit Format View Help
class array
{
    public static void main(String num[])
    {
        int n;
        double sum = 0;
        for (int i = 0; i <= 3; i++)
        {
            n = Integer.parseInt(num[i]);
            sum=sum+n;
        }
        System.out.println("Avg:"+sum/4);
    }
}

Command Prompt
Microsoft Windows [Version 10.0.19041.1288]
(c) Microsoft Corporation. All rights reserved.

C:\Users\raj>cd pu_it_practical
The system cannot find the path specified.

C:\Users\raj>F:

F:\>cd pu_it_practical

F:\pu_it_practical>cd javaws

F:\pu_it_practical\javaws>javac array.java

F:\pu_it_practical\javaws>java array 12 14 11 15
Avg:13.0

F:\pu_it_practical\javaws>java array 15 18 19 20
Avg:18.0

F:\pu_it_practical\javaws>java array 14 17 12 11
Avg:13.5

F:\pu_it_practical\javaws>java array 15 12 17 19
Avg:15.75

F:\pu_it_practical\javaws>
```