

Takshashilaa College, Vadodara.

Subject Code: 403 / Java Programming.

Assignment: 1

Submission Date: 31/12/2012

Assignment Date: 19/12/2012

1). Write a Java application which takes several command line arguments, which are supposed to be names of students and prints output as given below:
(Suppose we enter 3 names then output should be as follows):

Number of arguments = 3

1: First Student Name is =Tom

2: Second Student Name is =Dick

3: Third Student Name is =Harry

(Hint: An array may be used for converting from numeric values from 1 to 20 into String.)

2). Create an array that stores 20 prices, such as \$2.34, \$7.89, \$1.34, and so on. Display sum of All the prices. Display all values less than \$5. Calculate the average of the prices and display all the values that are higher than calculated average value.

6). Demonstrate the use of stack class for characters. Hint(Use array of Characters) Also perform the following operations:

1). Stack Addition

2). Stack Subtraction

3). Stack Multiplication

7). Write a Menu driven application in java for 2 dimension array.

1). Matrix Addition

2). Matrix Subtraction

3). Matrix Multiplication

8). Develop same application as in exercise 7 using 3 Dimensional array.

9). Write program in java to generate following output. Use Command line argument for this. (Hint : Accept N number from user on command line)

<pre> * * * * * * * * * * * * * * * *</pre>	<pre> * * * * * * * * * * * * * * * *</pre>
<pre>1 2 3 4 5 1 2 3 4 5 1 2 3 4 2 3 4 5 1 2 3 3 4 5 1 2 4 5 1 5 1 2 4 5 1 2 3 3 4 5 1 2 3 4 2 3 4 5 1 2 3 4 5 1 2 3 4 5</pre>	<pre> * * * * * * * * * * * * * * * *</pre> <p>(Input : 3)</p>

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10). Write a simple java application to print a pyramid. The first line has one character, 2nd line has two characters and so on. The character to be used in the pyramid is taken as a command line argument.

A) Input : PARAG

Output :

```
P
P  A
P  A  R
P  A  R  A
P  A  R  A  G
```

B) Input : PARAG

```
      P
     A  A
    R  R
   A  A
  G  G
 A  A
R  R
 A  A
  P
```