## Print all the arguments one after another

1. If the following java command is issued, all the arguments should be printed one after another
2. C:\> java coe\_printall val1 val2 val3… valn
3. The values are
4. val1
5. val2
6. val3
7. ..
8. valn

{

public static void main (String args[])

{

if(args.length==0)

{System.out.println("Please enter an argument(s).");

System.exit(0);

}

int i;

for (i=0;i<args.length;i++)

{

System.out.println(args[i]);

}

}

}

## Read the input and operate the numbers

Input the numbers and operate the numbers as below

C:\> java operate2numbers ADD 7 5

Answer: The addition of 2 numbers 7 & 5 is 12

C:\> java operate2numbers SUB 7 5

Answer: The subtraction of 2 numbers 7 & 5 is 2

C:\> java operate2numbers PROD 7 5

Answer: The product of 2 numbers 7 & 5 is 35

C:\> java operate2numbers DIV 15 5

Answer: The division of 2 numbers 15 & 5 is 3

* **Implementation Note**: Only one class and every operation should have a method call and one main method (totally, 5 methods)
* **Note on Error Conditions:**
* If 2 (or) more numbers are given, addition and product should be done for all the numbers
* If SUB or DIV is called with more than 2 numbers, the operation should happen on the first 2 numbers and there should be a note that the other numbers are not used
* If there are less than 2 numbers (either 1 (or) 0), then there should be an error message saying, ‘No numbers are provided
* Correct Answer : If there are less than 2 numbers (either 1 (or) 0), then there should be an error message saying, ‘No numbers are provided

## File Handling and String manipulation

Read a file in reverse order and reverse the order in which the chars appear. For example

My name is James Richard and I am from new England.

Should be

“dnalgnE wen morf ma I nda drahcir semaj si eman ym”

File should have minimum 100 chars and ten lines

Now for each of the words (final reversed string) take the sum of ASCII values of all characters and place them in row and column format in an Excel File.

#include <stdio.h>

#include <string.h>

int main()

{

/\* String Declaration\*/

char nickname[20];

printf("Enter your Nick name:");

/\* I am reading the input string and storing it in nickname

\* Array name alone works as a base address of array so

\* we can use nickname instead of &nickname here

\*/

scanf("%s", nickname);

/\*Displaying String\*/

printf("%s",nickname);

return 0;

}

## Loop through to form a Diamond

Provide the dimension of the diamond and the diamond should be drawn

C:\> java coe\_drawDiamond 5

- - - - \*

- - - \* - \*

- - \* - - - \*

- \* - - - - - \*

\* - - - - - - - \*

- \* - - - - - \*

- - \* - - - \*

- - - \* - \*

- - - - \*

All the ‘-‘ should be replaced with spaces.

* **Implementation Note**: Only one class and this should be a methodCall. Along with **main** methods, 2 methods should be present

public class Diamond

{

public static void main(String[] args)

{

Scanner sc=new Scanner(System.in);

System.out.println("Enter N : ");

int n=sc.nextInt();

System.out.print("Enter Symbol : ");

char c = sc.next().charAt(0);

for(int i=1;i<=n;i++)

{

for(int j=1;j<=n-i;j++)

{

System.out.print(" ");

}

for(int j=1;j<=i\*2-1;j++)

{

System.out.print(c);

}

System.out.println();

}

for(int i=n-1;i>0;i--)

{

for(int j=1;j<=n-i;j++)

{

System.out.print(" ");

}

for(int j=1;j<=i\*2-1;j++)

{

System.out.print(c);

}

System.out.println();

}

}

}