

How to find out the length of the array :

[illegible]

What is Eclipse IDE ?

Eclipse stands for "Integrated Development Environment". By using eclipse IDE, we can develop, compile and execute our java program in a single window.

The main purpose of Eclipse IDE is to reduce the development time, since the development time will be reduced when automatically the project of the project will be reduced.

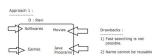
How to create a project in Eclipse IDE ?

File -> New -> Project -> Java Project -> Provide the name for the project (Eg: S1) -> Finish

What is a package in java ?

A package is nothing but folder in windows. It is mainly used to arrange our java programs.

Example:



If we arrange our jazz classes into a particular group by using passages (folders) then we will get the following two advantages :

- Fast searching is possible.
- Access, copy, edit, and delete.

Example :

We have a Date class available in java.util package where as We have another Date class available in java.sql package.

Program that describes a package is folder in windows :

```

// Example 1 is a keyword and it must be the first statement of any java program.

// Package related program :
package basic arithmetic;

// public class Addition
public class Addition {

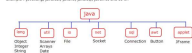
    public static void main(String[] args) {
        int a = 10;
        int b = 20;
        System.out.println("Sum = " + (a+b));
    }
}

// Comment for compilation of the classes which contains Package statement.
// java -c -d Addition.java
// java -c -d Arithmetic.java

// Note : In java, package name is similar to Addition. java contains basic arithmetic package. Here list of all java files will be created, under the folder another folder (a sub folder) will be created, this arithmetic folder will contain Addition class.

// Command to run the above program :
java basic arithmetic Addition

```



Example :

```
base()
com.nav.base()
com.nav.online_shopping()
```

WNF is java to pass some value from command line argument based on the following criteria.

```
if the array length is 0 it should return "length is 0"  
if the array length is 1 it should find the square of the number  
if the array length is 2 it should print sum of the number  
  
package com.novell.commsdl_flow_examples;  
  
public class TestArrayLengthAndSquare {  
  
    public static void main(String[] args)  
    {  
        if(args.length==0)  
            System.out.println("length is zero");  
        else if(args.length == 1)  
            int num = Integer.parseInt(args[0]);  
            System.out.println("square of "+num+" is "+(num*num));  
        else if(args.length==2)  
            int num1 = Integer.parseInt(args[0]);  
            int num2 = Integer.parseInt(args[1]);  
            System.out.println("sum of "+num1+" & "+num2+"is"+(num1+num2));  
        }  
    }  
}
```

Steps to execute the command Line Argument Program using Eclipse IDE

Right click on the program -> Run As -> Run configuration -> Verify your main class name -> select argument tab -> pass the appropriate value -> Run