

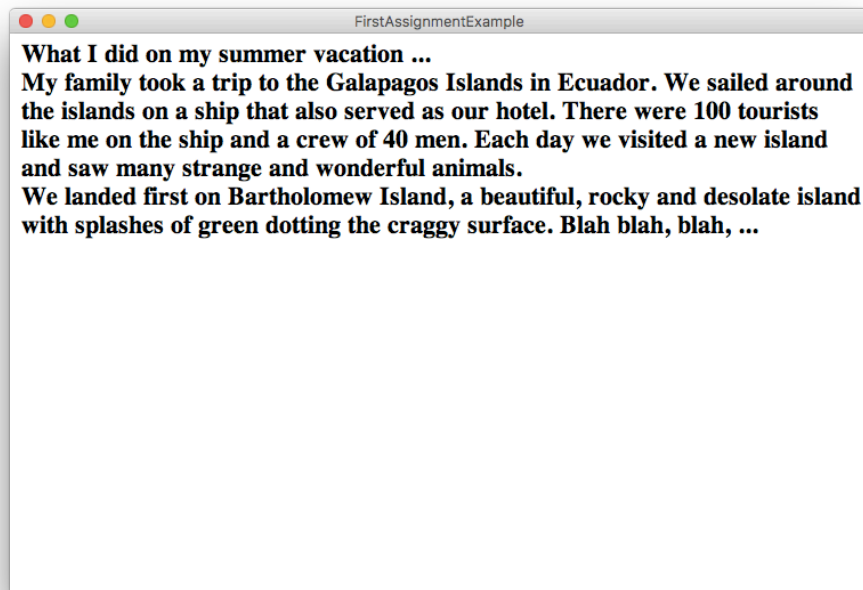
FirstAssignment.java

Objective: To use a text editor and a Linux terminal to create and run a simple program using the Java language.

Background:

Welcome to AP Computer Science A! This course assumes you have taken the Java Programming course with a working knowledge of using Linux terminal commands and the Geany text editor. In case you need a refresher, a link to the *Linux primer* is on the web site. If you ask, Mr Greenstein and the TA's can also help you with Linux commands.

Your first assignment is to complete the phrase “*What I did on my summer vacation ...*” and write a program in Java to display the result in a graphics window like the one shown below, except yours must be 12 to 15 lines long not counting the first line.



ACM (Association for Computing Machinery) has provided a wonderful library of Java classes that will make implementing graphics much easier. You do not have to worry about the SWING library or JFrames. All you must do is modify a few lines in code supplied to you and include the `mvAcm.jar` file in your class path when you compile and run. (Instructions below)

In the end, your code must produce a window which contain a written summary of how you spent your vacation. Did you spend time with friends or relatives? Went swimming or hiking? Read a good book? Visited some exotic place or country? Paint a picture for your reader with words.

Assignment:

Open a browser window and go to Mr Greenstein's assignment calendar. Download the zip file from the web site by clicking on the link. Open a terminal window and unzip the file. To unzip the file, type the following into a terminal window:

```
% unzip FirstAssignment.zip
```

This will create a directory `FirstAssignment`. Change into the directory on your terminal window using this command:

```
% cd FirstAssignment
```

List the files:

```
% ls
FirstAssignment.java      mvAcm.jar
```

`FirstAssignment.java` is a Java file which contains starter code that you will modify. The starter code can be compiled and run. To compile, use the following command:

```
% javac -cp ./mvAcm.jar FirstAssignment.java
```

To execute the compiled file, use this command:

```
% java -cp ./mvAcm.jar FirstAssignment
```

Use the Geany text editor to open and modify `FirstAssignment.java`. Add lines to explain what happened to you this summer. Be sure to fill the width of the window with words and a total of 12 to 15 lines of description.

When you are done, show your window to Mr Greenstein for credit.