

CECS 174 – Assignment 17

Creating an Applet – Applets are Java programs that will run on a web page.

1. Create a new project and create a new class called drawApplet in it.
2. Add your own draw functions to create a picture (use Lecture 30 as a guide).
3. Add some text to your picture.
4. Save and run your applet. (Run->Run As->Java Applet).
5. When you are satisfied with your picture post it to the internet.

Uploading your applet to the internet –

1. Open your home directory (Z drive).
2. Create a folder called 'htdocs' if it does not already exist.
3. Create a folder within 'htdocs' called 'cecs174' (capitalization matters).
4. Navigate to Eclipse's workspace and find your applet's class file (drawApplet.class) inside the bin folder of your project.
5. Copy and paste the drawApplet.class file into your new 'cecs174' folder.
6. Open a text editor and type this into it:

```
<html>
  <head>
    <title>My First Applet</title>
  </head>
  <body>
    <applet code = "drawApplet.class" width = "500" height="500">
  </body>
</html>
```

7. Save the file as 'firstApplet.html' and put it into your 'cecs174' folder.
8. Go to the website: students.cecs.csulb.edu/~username/cecs174/firstApplet.html - replace username with your cecs username.
9. Set the permissions for the folder and files appropriately. Folders should be set to read and execute (755), html files should be set to read (744), and your class file should be set to read and execute (755). (To access permissions, right click the file or folder and select Info or Properties, then navigate to the Permissions or Security tab)
10. If your applet does not display, then there is either a problem with your code, the permissions, or with the browser's java plugin.

Notes

1. Refer to the java api for more graphics information:
<http://java.sun.com/javase/6/docs/api/> package: java.awt -> Graphics
2. You can access your Z: drive and htdocs folder from home using an ftp client such as Windows Explorer or FireFtp (firefox plugin). Using your CECS username and password, go to: <ftp://username@heart.cecs.csulb.edu> to access your Z: drive.