

MIT WORLD PEACE UNIVERSITY

Object Oriented Programming with Java and C++
Second Year B. Tech, Semester 1

APPLET USING JAVA AND HTML

PRACTICAL REPORT
ASSIGNMENT 9

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Contents

1	Aim and Objectives	1
2	Problem Statements	1
3	Theory	1
4	Platform	1
5	Output	1
6	Code	2
7	Conclusion	3
8	FAQs	4

1 Aim and Objectives

Aim

Develop an applet that displays a simple message in centre of the screen

Objectives

1. To understand concept of Java Applets
2. To explore features of applets to develop web applications

// Krishnaraj Thadesar // Batch A1, PA20 // OOPCJ Assignment 9

2 Problem Statements

Write a Java applet program that displays a simple message in centre of the screen.

3 Theory

4 Platform

Operating System: Arch Linux x86-64

IDEs or Text Editors Used: Visual Studio Code

Compilers : g++ and gcc on linux for C++, and javac, with JDK 18.0.2 for Java

5 Output

The Applet with some text written on it being displayed on the screen.

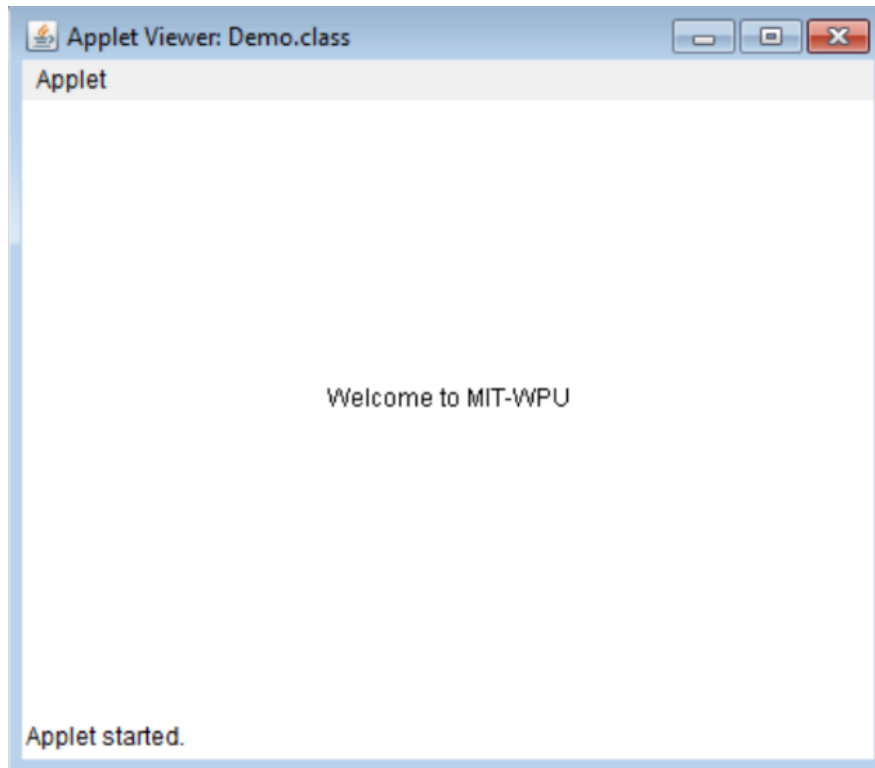


Figure 1:

6 Code

```
1 // Krishnaraj Thadesar
2 // Batch A1, PA20
3 // OOPJC Assignment 9
4 // Write a Java applet program that displays a simple message in centre of the
   screen.
5
6
7 import java.applet.*;
8 import java.awt.*;
9
10 public class Assignment_9 extends Applet {
11     public void print(Graphics g) {
12         g.drawString("Welcome to Java Applets in Assignment 9", 150, 150);
13     }
14 }
```

Listing 1: applet.java

```
1 <!-- <!DOCTYPE html> -->
2 <html>
3   <head>
4     <title>Assignment 9</title>
5   </head>
6   <body>
7     <applet code="Assignment_9.class" width="300" height="300"></applet>
8   </body>
```

```
9 </html>
```

Listing 2: applet.html

7 Conclusion

Thus, developed an applet that displays a simple message in centre of the screen.

8 FAQs

1. *What are the restrictions imposed on Java applets?*
2. *What is the applet class loader, and what does it provide?*
3. *What is the applet security manager, and what does it provide?*
4. *Explain the following with suitable examples*
 - (a) **Creating an applet**
 - (b) **Passing parameters to applets**
 - (c) **Adding graphics and colors to applets.**