

```

public class ProblemSet2_1 {
    public static void main(String[] args) {
        // Use 8 print statements to print a smiley face.
        // The art will rely on only a single character, besides space, such as X or #.

```

```

        System.out.println("" ##### "");
        System.out.println("" # # "");
        System.out.println(""# # # "");
        System.out.println(""# #"");
        System.out.println(""# ### "");
        System.out.println(""# ### "");
        System.out.println("" # # "");
        System.out.println("" ##### "");
    }
}

```

```

public class ProblemSet2_1 {
    public static void main(String[] args) {
        System.out.println(" ##### ");
        System.out.println(" #  # ");
        System.out.println("# # # ");
        System.out.println("#  #");
        System.out.println("# ### ");
        System.out.println("# ### ");
        System.out.println(" #  # ");
        System.out.println(" ##### ");
    }
}

```

```
Output
java -cp /tmp/fwjgsfDvs3/ProblemSet2_1
#####
#   #
# # # #
#   #
# #### #
# #### #
#   #
#####

=== Code Execution Successful ===
```

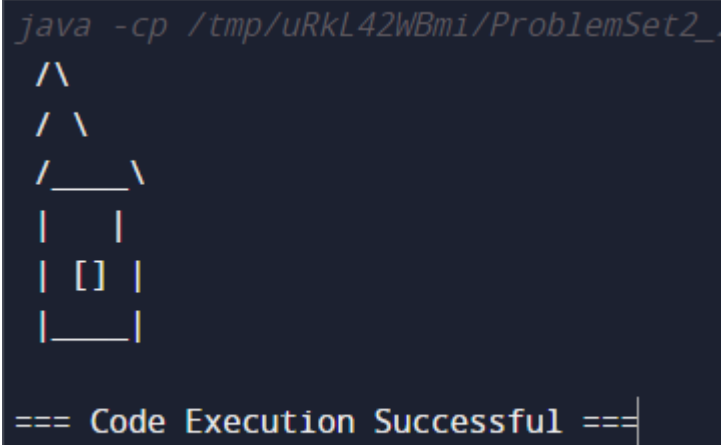
ASCII art is a graphic design technique that uses printable characters from the ASCII standard to create images and designs. ASCII (American Standard Code for Information Interchange) includes 128 characters, such as letters, numbers, punctuation marks, and control characters. By carefully arranging these characters, artists can create detailed images, patterns, and representations of objects.

```
public class ProblemSet2_2 {
    public static void main(String[] args) {
        // This ASCII art depicts a simple house with a roof, a door, and windows.
        System.out.println("" /\ \ "");
        System.out.println("" / \ \ "");

        System.out.println("" / ____ \ \ "");
        System.out.println("" | | "");
        System.out.println("" | [] | "");
        System.out.println("" | ____ | "");
    }
}

public class ProblemSet2_2 {
```

```
public static void main(String[] args) {  
    // This ASCII art depicts a simple house with a roof, a door, and windows.  
    System.out.println(" /\ ");  
    System.out.println(" /\ ");  
  
    System.out.println(" /____\ ");  
    System.out.println(" |  | ");  
    System.out.println(" | [] | ");  
    System.out.println(" |____| ");  
}  
}
```



The screenshot shows a terminal window with the following content:

```
java -cp /tmp/uRkL42WBmi/ProblemSet2_  
 /\   
 /\   
 /____\   
 |  |   
 | [] |   
 |____|   
  
=== Code Execution Successful ===
```

The ASCII art depicts a simple house with a roof, a door, and windows. The roof is represented by two rows of backslashes and forward slashes. The main body of the house is a rectangle with a door (represented by two vertical bars) and a window (represented by two vertical bars with a space between them). The execution is successful.