slip26

```
import java.io.IOException;
import java.nio.file.Files;
import java.nio.file.Path;
import java.nio.file.Paths;
import java.util.List;

public class s26q1 {

   public static void main(String[] args) {

      String filePath = "file3.txt";

      try {

         Path path = Paths.get(filePath);
         List<String> lines = Files.readAllLines(path);


         System.out.println("Character -> ASCII Value");
         for (String line : lines) {

            for (char c : line.toCharArray()) {

               System.out.println(c + " -> " + (int) c);
            }
```

```
        }

      } catch (IOException e) {
        System.out.println("An error occurred while reading the file: " + e.getMessage());
      }
    }
}
```

```
import java.applet.Applet;
import java.awt.Color;
import java.awt.Graphics;

public class s26q2 extends Applet {


   public void paint(Graphics g) {

      setBackground(Color.lightGray);


      g.setColor(Color.darkGray);
      g.fillRect(100, 200, 200, 100);


      g.setColor(Color.gray);
```

```
        g.fillRect(120, 220, 30, 80);
        g.fillRect(250, 220, 30, 80);



        g.setColor(Color.darkGray);
        int[] xPoints = {90, 200, 310};
        int[] yPoints = {200, 100, 200};
        g.fillPolygon(xPoints, yPoints, 3);



        g.setColor(Color.black);
        g.fillRect(170, 240, 60, 60);



        g.setColor(Color.gray);
        g.fillRect(140, 300, 120, 10);
        g.fillRect(130, 310, 140, 10);
        g.fillRect(120, 320, 160, 10);
    }
}
<html>
<body>
  <applet code="s26q2.class" width="400" height="400">
  </applet>
</body>
```

```
</html>
```

```
area_of_square = lambda side: side ** 2

area_of_rectangle = lambda length, width: length * width

side_length = float(input("Enter the side length of the square: "))
square_area = area_of_square(side_length)
print(f"The area of the square is: {square_area}")

length = float(input("Enter the length of the rectangle: "))
width = float(input("Enter the width of the rectangle: "))
rectangle_area = area_of_rectangle(length, width)
print(f"The area of the rectangle is: {rectangle_area}")
```

```
import tkinter as tk

class SentenceAltererApp:
    def __init__(self, master):
        self.master = master
        self.master.title("Sentence Alterer")
```

```
        self.label = tk.Label(master, text="Enter a sentence:")
        self.label.pack(pady=10)

        self.entry = tk.Entry(master, width=50)
        self.entry.pack(pady=5)

        self.alter_button = tk.Button(master, text="Alter Sentence",
command=self.alter_sentence)
        self.alter_button.pack(pady=20)

        self.result_label = tk.Label(master, text="", wraplength=400)
        self.result_label.pack(pady=10)

    def alter_sentence(self):
        original_sentence = self.entry.get()
        altered_sentence = []
        for char in original_sentence:
            if char.isdigit():
                altered_sentence.append('?')
            elif char.isspace():
                altered_sentence.append('*')
            elif char.isalpha():
                altered_sentence.append(char.swapcase())
            else:
                altered_sentence.append(char)
        result = ''.join(altered_sentence)
```

```
        self.result_label.config(text=result)

root = tk.Tk()

app = SentenceAltererApp(root)

root.mainloop()
```