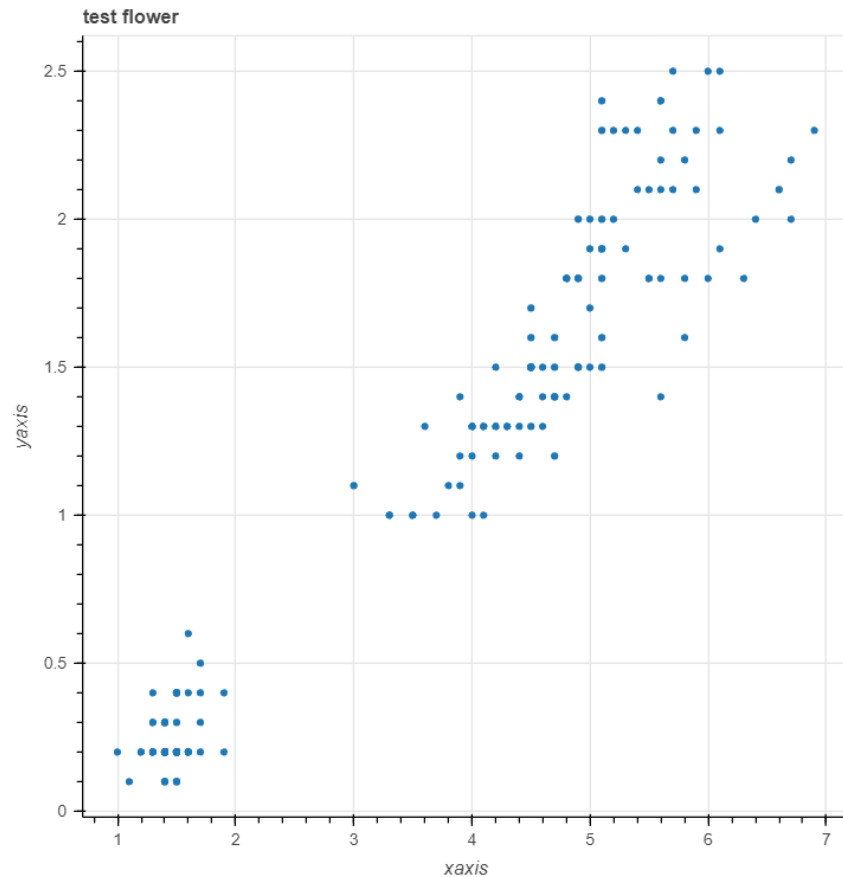


Q1. How can you create a Bokeh plot using Python code?

```
import bokeh.io
import bokeh.plotting
bokeh.io.output_notebook()
from bokeh.plotting import figure, output_file, show
from bokeh.sampledata.iris import flowers
output_file('test.html')
p=figure(title='test flower')
p.xaxis.axis_label='xaxis'
p.yaxis.axis_label='yaxis'
p.circle(flowers['petal_length'],flowers['petal_width'])
show(p)
```



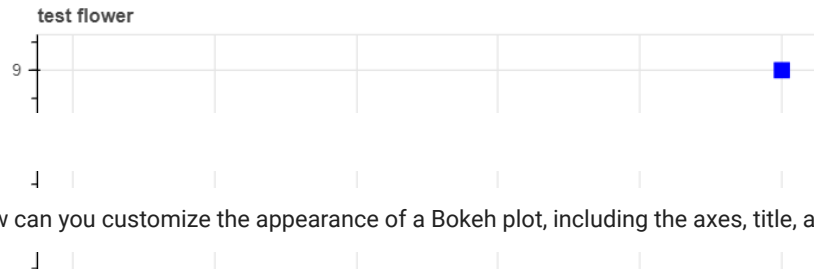
Double-click (or enter) to edit

Q2. What are glyphs in Bokeh, and how can you add them to a Bokeh plot? Explain with an example.

```
import bokeh.io
import bokeh.plotting
bokeh.io.output_notebook()
from bokeh.plotting import figure, output_file, show
from bokeh.sampledata.iris import flowers
output_file('test.html')
p=figure(title='test flower')
p.xaxis.axis_label='xaxis'
p.yaxis.axis_label='yaxis'

p.circle(x=[1, 2, 3], y=[4, 5, 6], size=10, color="red")
p.square(x=[4, 5, 6], y=[7, 8, 9], size=10, color="blue")

# Display the plot
show(p)
```



Q3. How can you customize the appearance of a Bokeh plot, including the axes, title, and legend?

```
x=[1,2,3,4,5,6]
y=[7,8,9,10,11,12]
output_file('legend.html')
p=figure(title='legend_plot')
p.xaxis.axis_label='x-axis'
p.yaxis.axis_label='y-axis'
p.scatter(x,y,fill_color='red',legend='red_point')
show(p)
```

legend plot

red_point

```
.plotting import figure
.layouts import column
.models import ColumnDataSource, Slider
.server.server import Server
```

```
from flask import Flask, render_template
from bokeh.embed import server_document

app = Flask(__name__)

@app.route('/plot')
def plot():
    # Generate the Bokeh plot
    script = server_document('http://localhost:5006/bokeh-app')
    return render_template('plot.html', script=script)
```

