Ćwiczenia 37

1. Przeanalizuj kod i stwórz kilka podobnych wykresów na podstawie kodu:

```
clf
x = [0:0.01:2*%pi]
y = sin(x)
z= cos(x)
plot(x,y)
```

```
clf
x = [0:0.01:2*%pi]
y = sin(x)
z= cos(x)
plot(x,y,'LineWidth',3)
```

```
clf
x = [0:0.01:2*%pi]
y = sin(x)
z= cos(x)
plot(x,y,'LineWidth',3)
plot(x,z,'r','LineWidth',3)
```

```
x = [0:0.01:2*%pi];
y = sin(x);
z = cos(x);
plot(x,y,'LineWidth',3)
plot(x,z,'r','LineWidth',3)
xgrid
xlabel('x')
ylabel('sin(x), cos(x)')
title('Plot of sin(x) and cos(x)')
legend('sin(x)','cos(x)',3)
```

2. Przeanalizuj przykłady na stronach

- https://help.scilab.org/docs/5.5.2/en_US/plot.html
- https://help.scilab.org/docs/5.5.2/en_US/plot2d.html
- https://help.scilab.org/docs/5.5.2/en_US/plot2d2.html
- https://help.scilab.org/docs/5.5.2/en_US/plot2d3.html
- https://help.scilab.org/docs/5.5.2/en_US/plot2d4.html
- https://help.scilab.org/docs/5.3.3/en_US/histplot.html
- https://help.scilab.org/docs/5.5.2/en_US/bar.html
- https://help.scilab.org/docs/6.0.0/en_US/plot3d.html

Materiały źródłowe:

- http://math.hawaii.edu/~gautier/math_190_lecture_2.pdf
- http://wmii.uwm.edu.pl/~ksopyla/dydaktyka/
- https://x-engineer.org/graduate-engineering/programming-languages/scilab/scilab-plot-tutorial-simple-example-1/