Hw10

```python
import pylab
import numpy
def makeData():
    x = numpy.arange(-10, 10, 0.05)
    y = numpy.arange(-10, 10, 0.05)
    xgrid, ygrid = numpy.meshgrid(x, y)

    zgrid = ((1+numpy.sin(xgrid)) *(1+ numpy.sin(ygrid)))
    return xgrid, ygrid, zgrid
if __name__ == '__main__':
    x, y, z = makeData()
    pylab.contour(x, y, z)

    pylab.show()
```
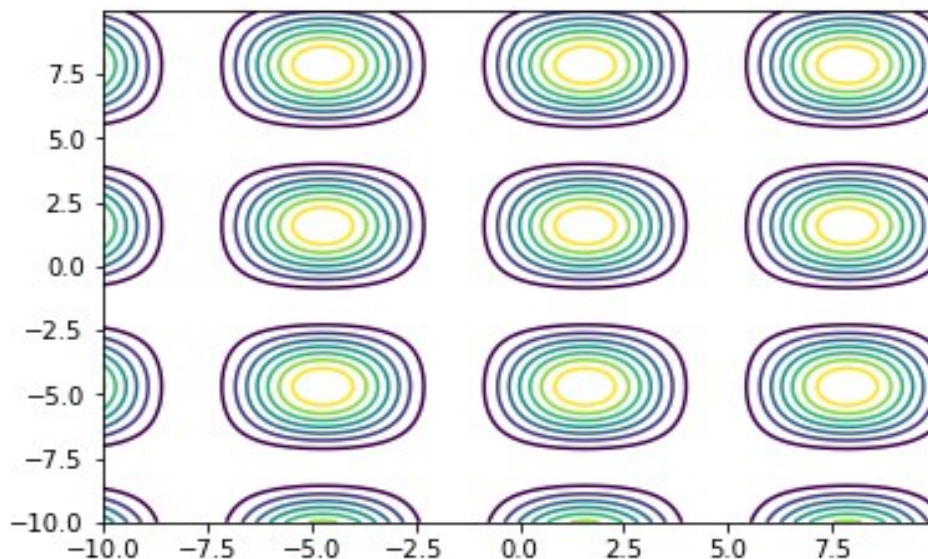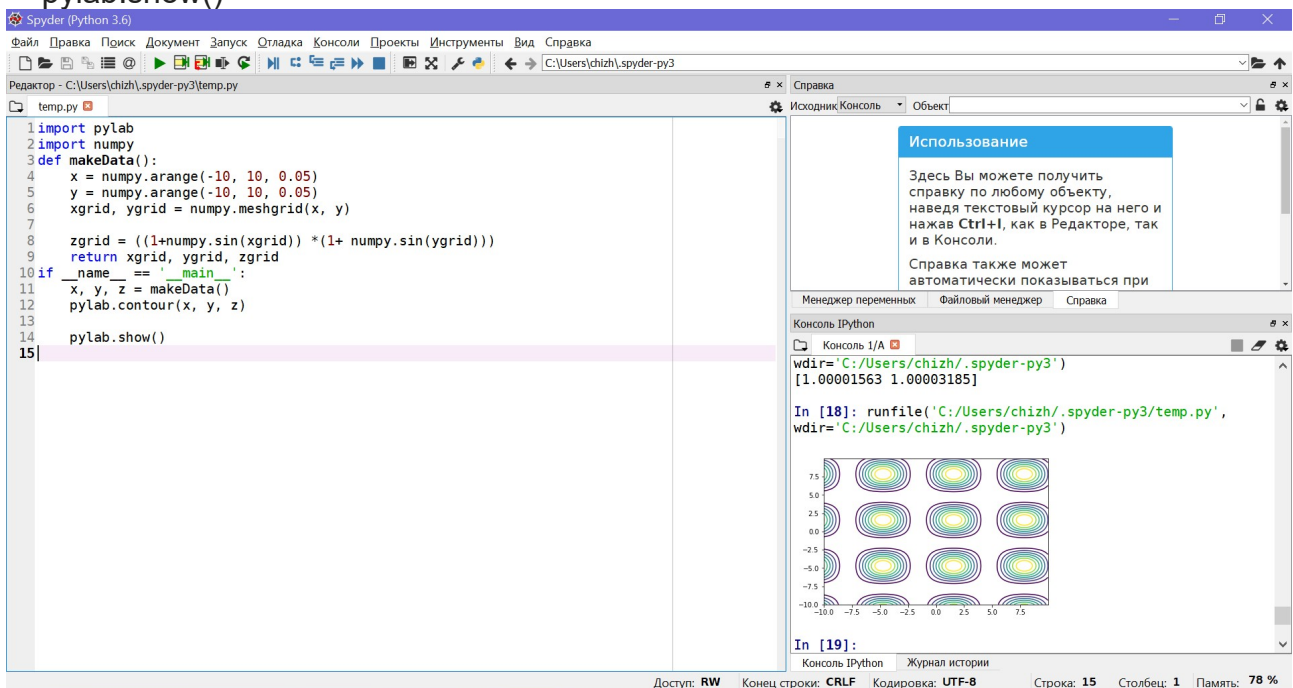
```python
import pylab
from mpl_toolkits.mplot3d import Axes3D
import numpy
def makeData():
    x = numpy.arange(-10, 10, 0.05)
    y = numpy.arange(-10, 10, 0.05)
    xgrid, ygrid = numpy.meshgrid(x, y)

    zgrid = ((1+numpy.sin(xgrid)) *(1+ numpy.sin(ygrid)))
    return xgrid, ygrid, zgrid
if __name__ == '__main__':
    x, y, z = makeData()

    fig = pylab.figure()
    axes = Axes3D(fig)
    axes.plot_surface(x, y, z)

    pylab.show()
```