

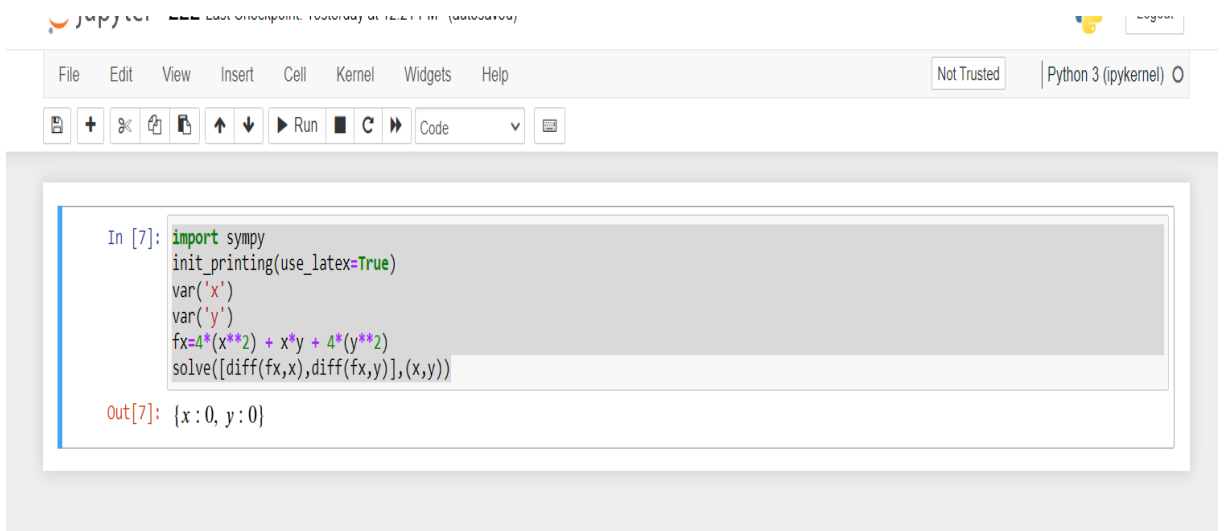
5501-Assignment 2-2

1.

Python code

```
import sympy
init_printing(use_latex=True)
var('x')
var('y')
fx=4*(x**2) + x*y + 4*(y**2)
solve([diff(fx,x),diff(fx,y)],(x,y))
```

output: {x:0, y:0}



The screenshot shows a Jupyter Notebook interface. The top bar includes the Jupyter logo, a file explorer, and a status bar indicating 'Not Trusted' and 'Python 3 (ipykernel)'. The main area contains a code cell with the following Python code:

```
In [7]: import sympy
init_printing(use_latex=True)
var('x')
var('y')
fx=4*(x**2) + x*y + 4*(y**2)
solve([diff(fx,x),diff(fx,y)],(x,y))
```

Below the code cell, the output is displayed:

```
Out[7]: {x : 0, y : 0}
```