BEGINNERS' PYTHON – CLASSES AND INHERITANCE

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4TH YEAR MATHEMATICS

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INHERITING FROM CLASSES

```python
class [name]([other class]):
    def __init__(self, [args]):
        super().__init__([args])
        [do stuff]
    [other functions] (optional)




class Student(Person):
```

```python
def __init__(self, name):
    super().__init__(name)
    self.deadlines = 0
def work(self):
    self.deadlines -= 1
```

GUI LIBRARY - TKINTER

```python
import tkinter as tk
class MyGui(tk.Tk):
    def __init__(self, [args]):
        super().__init__()


gui = MyGui([args])
gui.mainloop()
```

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CHALLENGE 6

- Go to github.com/LewisGaul/python-tutorial, download `challenge6.py`

- Work out how the code works (try adding in some print statements)

- Write comments with '#' to explain how it works

- When you understand it all have a go at the challenge

- Try to use sensible variable names

- Avoid using too many indented layers or repeating code