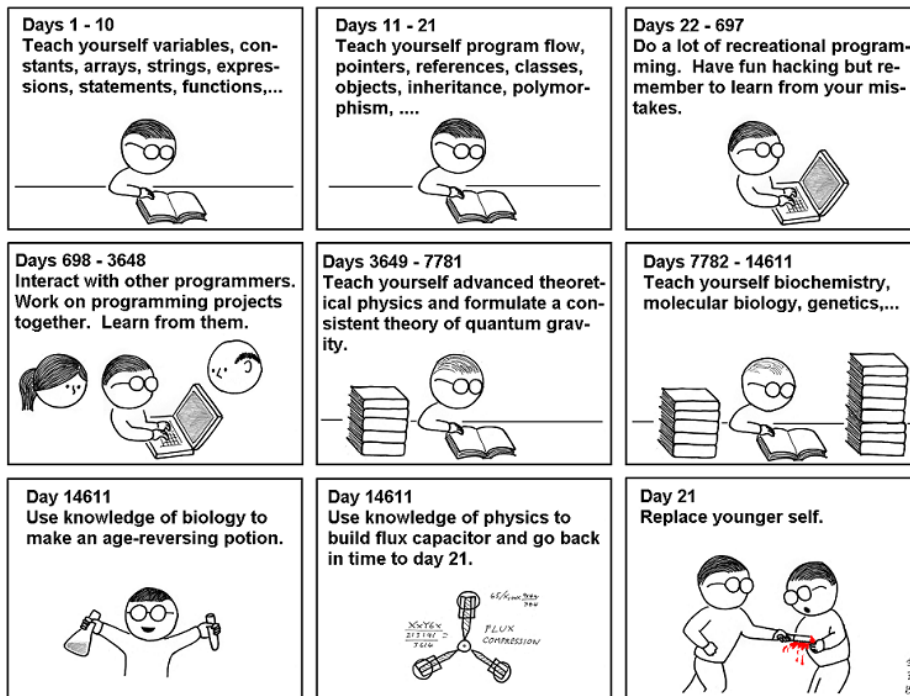# Exercise Sheet 01 Solutions – `print('Hello Python!')`

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Deadline: Mon, 10 Apr 2017 08:00 +0200

Exercise 1: Your development environment

For this exercise we will not include any special solutions. Instead, enjoy this little cartoon:

Figure 1: How to Teach Yourself Programming (Goose 2017)

Exercise 2: Hello you!

File: `code/hello.py`

```python
print("Hello Aline and Basti!")

print("What's up?")

# We need escaping: \" cancels its meaning.
print("Are you \"Monty\"?")
# Alternatively you can use ':
print('Are you "Monty"?')

# But you will need escaping for the last:
print("Can't you just pretend you were \"Monty\"?")
# or
print('Can\'t you just pretend you were "Monty"?')
```

Output:

```
Hello Aline and Basti!
What's up?
Are you "Monty"?
Are you "Monty"?
Can't you just pretend you were "Monty"?
Can't you just pretend you were "Monty"?
```

Exercise 3: Turtles all the way down

File: `code/nicholas.py`

```python
import turtle

turtle.shape('turtle')

# left edge
turtle.left(90)
turtle.forward(100)

# roof
turtle.right(45)
turtle.forward(70.71)
turtle.right(90)
turtle.forward(70.71)
turtle.right(135)
```

```
turtle.forward(100)

# cross and right edge
turtle.left(135)
turtle.forward(141.42)
turtle.right(45)  # !
turtle.backward(100)
turtle.right(45)
turtle.forward(141.42)

# bottom edge
turtle.left(135)
turtle.forward(100)

# keep the window open (not needed for the homework)
turtle.done()
```
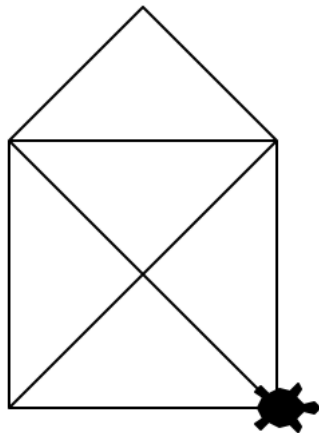
Result:

Figure 2: St. Nicholas' house

References

Goose, Abstruse. 2017. "How to Teach Yourself Programming." *Abstruse Goose*, no. 249 (April).