

Introductory exercises – Unit 2.1

Simple exercises designed to get students familiar with the python environment. Python covered:

- int, float, string variables
- input
- int, float functions
- +, -, *, **, /, //
- print function

Create Python programs to do the following:

1. Computes the area of a circle with radius 123 cm. **Save as introEx1.py**
2. Gets the radius of a circle and computes the area. **Save as introEx2.py**
3. Go to xe.com and find how much a Canadian dollar is worth in Euros (EUR). Make a program that allows the user to enter the amount of Canadian they have and tell them what it is worth in Euros. **Save as introEx3.py**
4. Gets the user's first and last name and outputs them in reverse order with a comma between them. **Save as introEx4.py**
5. Gets the coordinates for two points from the user and computes the distance. Round your answer to two decimal places. **Save as introEx5.py**
6. At Jenny's birthday party she orders a 32 piece pizza. Have the user (probably Jenny) enter the number of people at the party that will be eating pizza and output the number of slices each one gets. As you know the pizza might not divide evenly. There are two ways to handle this. The first is to ignore the extra pieces and give everyone the same amount. The second way is to cut up the extra pieces so that everyone gets the same amount. Your program must output both options. E.g.

```
Number of guests: 10
Option 1: 3 slices each, 2 left over
Option 2: 3.2 slices each
```

Save as introEx6.py