# Modules Worksheet

## Task 1

Create a re-usable Python module, using your name as the module name. The module should have functions called:

name()  
date\_time()  
favourite\_things()

These should return sensible values, your name, the current date and time and your favourite things. Each function should return a single string.

Write a test script that imports your new module and checks that it works.

Share your module with the other students, they will import your module and run your functions. By the end of the lecture you should have modules from all other students.

## Task 2

Do some research on common Python modules:

<https://www.w3schools.com/python/python_modules.asp>

**datetime**

Print out todays date.

Print out the current time.

Print out the day today (e.g. Thursday)

**Calendar**

Print a calendar

Print a calendar – let the user choose what day it starts on (e.g. show me a calendar for Feb, 1975)

**Math**

Print PI

Convert an angle to radians

How many degrees in PI radians?

**Random**

Using the random module simulate the roll of a 6 sided dice.

## Task 3

Where does python look to find a module? We coded an example module that we saved into the current directory. Where else could it be saved?