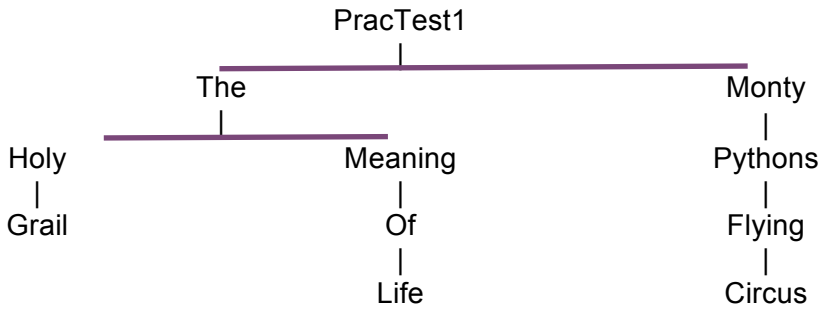
COMP1005/5005 - Practical Test 1

1. Create these directories using the Linux command line:



2. Make the following files: (1 mark)

- In the **`The/Meaning/Of/Life`** directory, use **vim** to make a file **`mints.txt`** with the contents: "*And finally, a wafer-thin mint.*"
- In the **Grail** directory: **`witches.txt`** containing "*She turned me into a newt! ... I got better!"*
- In the **Circus** directory: **`spam.txt`** containing "*Spam, spam, spam, spam*"

3. Type in and modify a Python program: (2 marks)

Navigate to **`PracTest1/The/Holy/Grail`** type in the code on the right, then

Modify the code in **`PracTest1.py`** to:

1. Correct any errors - get the given code working
2. Change myname and myyear to be your details
3. Add code to ask the user their name and year of birth
4. In an appropriate loop, **test that the year is valid**, ask them to re-enter the year and continue looping until it is valid
5. Based on the difference between your year and the user's, **print one of three comments** – if you're older, they're older, or if you're the same age.
6. Print out a **3-layer birthday cake** with the number of candles to match the user's age. Candles are staggered in two layers (hint: i**%**2 for alternating)

4. README and history (1 mark)

1. Record the history of the commands used: **`history > hist.txt`**
2. Copy the **`README`** file from your Prac01 (or Prac00) directory to your **PracTest1** directory.
3. Update the **`README`** file to refer to files and directories you have created, use today's date and to include the **`PracTest1.py`** program and a short description of it.

5. Submission and Assessment

A tutor must assess your work when complete.

All of your work must be submitted via Blackboard through the link on the Assessment page. This should be done as a single "zipped" file. To make a zip file to include all the directories and files, go to your FOP directory and type:

`zip –r PracTest1_yourID PracTest1`

```
"""
PracTest1.py: Read name & age and print an ASCII birthday cake

Student Name: <your name>
Student ID  : <your ID>
"""
myname = "Tim the Enchanter"
myyear = 898

print(f"Hello, my name is {myname}")
for i in range(myyear//100):
    if i%10 == 0
        print("*", end="")
print()
```

Type this code for part 3 as a starting point

Example output for final answer in purple

```
Hello, my name is Penny
What is your name? Sheldon
What year were you born? 1980

Birthday greetings, Sheldon the aged!
Here's a cake with 44 candles!

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*|*|*|*|*|*|*|*|*|*|*|*|*|*|*|*|*|*|*|*|*|*|
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