

Python Programming Competition

Task: Improve and extend either the Squash or the Android-Apple game developed in the lectures on 11th and 18th November – the files are on Moodle.

Deadline: 11pm on Monday 14th December.

Submission: by email from your University account to Matthew.Poole@port.ac.uk with the subject line “Python programming competition submission”. As well as attaching your Python file(s), include in your email the aim of the game and brief instructions for playing it (a good game shouldn't need long instructions).

Brief Rules: This is an individual competition – group entries are not allowed. Use only Python and the graphics module. Don't write (object-oriented) classes and do not use non-standard libraries such as PyGame – any modules you use apart from graphics.py must be part of the standard Python 3 distribution. However, if you want to add sound, I suggest using the winsound module (this only works on Windows, but you can assume that we will use a Windows computer to run your program). Do not re-write the game completely – it should still involve bat(s)/ball or an android eating apples (but of course, it could do other things as well!). Keep to the spirit of the unit and the competition, and make sure that your game would not offend anyone.

Judging: Your program will be judged on:

- (mainly) the size, imagination, fun and playability of the game, and
- code readability (including improvements to the supplied code).

Robert and Matthew will do the judging, and the judges' decision will be final.

Winners: The winning entries will be announced during one of the first INTPROG programming lectures next term.

Prizes: There will be several prizes, including:

- Asus ZenPad 7 tablet – top prize!
- Anker bluetooth keyboard(s)
- Anker mini bluetooth speaker(s)
- Programmer's mug(s)
- ...

We'll be slightly flexible on some the runners up prizes with the aim of rewarding all good efforts with a prize, and giving prizes for good entries from students whose average Python test mark is < 8.

If you have any questions, please ask me. Good luck!

Matthew Poole.

Last updated: 18th November