Developing programming problem-solving skills using individualised screencasts

The Open University

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The project

- TM111 tutors to provide short video screencasts containing personalised TMA feedback
- Tailored to individual misconceptions, mistakes and areas for improvement
- Audio and visual insight into how an experienced programmer solves a problem

Aims

- Do students understand concepts more deeply?
- Are they more skilled at programming problem-solving?
- What kind of content is most beneficial?
- How time-consuming for tutors?

18J

- Five tutors give screencast feedback
- Tutors and students surveyed and interviewed

19J

- Disseminate recommendations to all 19J tutors, get volunteers for 19J
- Tutors and students surveyed and interviewed

Future potential for screencast feedback

- Continue use on TM111
- Develop use in other programming modules e.g. TM112
- Develop use in other problem-solving disciplines e.g, maths

A program is required to decide the appropriate category for the entrant; display the entrant's name in a list for that category, and output the corresponding entry price.

Assume that the age will be entered as a whole number.

```
Input age
Input name

Decide the appropriate category for the entrent woing their age and the autogray limits

If the entrant is a junior then Record the entre

Display Record the entrants name in a list for their category

Output the corresponding entry price
```

