

### Specimen Task A (text based languages)

A company produces games to run on digital television sets. You have been asked to write a quiz program for them. The quiz can be on a theme of your choice. Where you are asked to give evidence of your program you should print out or produce a screenshot of your program. You should check your program works at every stage but only need to give proof of testing in section (i).

Your program will:

- Start by asking for your name.
  - Welcome you to the quiz by name.
  - Ask five multiple choice questions.
  - For each question, if the player has the correct answer, add one to their score.
  - At the end of the quiz display the player's name and score .
  - Display Well Done 5 times if a player has a score of more than 3.
- (a) List what your quiz needs to be able to do. Plan the quiz program you are going to make. (You can use flowcharts, pseudo code or any other sensible method of showing how your program will work.)

- (b) Write a program to ask the player their name and then welcome them to the quiz. For example:

```
What is your name? Jerry  
Hello, Jerry welcome to the cheese quiz
```

Test your program works then give evidence of your code.

- (c) Add code to your program so asks a question and takes in an answer:

For example:

```
Question One: Which of the following is a goat cheese?  
A) Cheddar  
B) Caprino  
C) Stilton  
D) Brie  
Enter your answer B
```

Test your program works then give evidence of your code.

- (d) Improve your program so it adds one to the score if the player gets the answer right.

Test your program works then give evidence of your code.

- (e) Add four more questions to your quiz.

Test your program works then give evidence of your code.

- (f) When the quiz is over add code so it prints out the player's score.

```
Jerry has a score of: 5
```

Test your program works then give evidence of your code.

- (g)** If the player has a score of greater than three display: Well Done

Well Done

Test your program works then give evidence of your code.

- (h)** Change your program so it says "well done" 5 times if the player has a score of greater than 3.

Well Done

Well Done

Well Done

Well Done

Well Done

Test your program works then give evidence of your code.

- (i)** Test your program works. Make notes on how you tested it and what you found out.

- (j)** Write an evaluation of how well your program works. You should include:

- Any problems you had making it and how you overcame them.
- Any bugs your program still has.
- Any future improvements that could be made to your program.