



Hello! Welcome to the exam for the
'Introduction to coding' course.

1. What is programming? (Module 1)

Student should answer along the lines of;

An individual defining a number of steps/instructions that a computer will take to solve a problem of some form. Or the simplified (easy way to remember it) – we are telling a computer what to do ✓

2. What is the primary language of a computer? (Module 1)

Binary ✓

3. What is Python? (Module 1)

Student should answer along the lines of;

Python is a computer language, which allows us to tell a computer what to do ✓

4. What is a keyword in Python and what does it do? (Module 1)

Student should answer along the lines of;

Words that act as a shortcut of some sort. Simple for us to write, and simple for the computer to understand ✓

5. What is a quotation in Python and why are they used? (Module 2)

Student should answer along the lines of;

Comments are lines written in code that have the purpose of detailing or indicating what a section of code – or snippet – does ✓

6. What is a variable in Python? (Module 2)

Student should answer along the lines of;

A Python variable is a symbolic name that is a reference or pointer to an object. In other words, a variable is a placeholder that refers the computer to where the data is held ✓

7. Define mutable (Module 2)

Student should answer along the lines of;

Simply put, a mutable object can be changed after it is created, and an immutable object can't ✓✓

8. Demo a String (Module 2)

Guide the student through the use of a string and check their understanding

9. Demo a list (Module 2)

Guide the student through the use of a string and check their understanding

10. Demo a Numeric Value (Module 3)

Guide the student through the use of numeric value and check their understanding

11. Demo a Set (Module 3)

Guide the student through the use of a set and check their understanding

12. Demo a Boolean (Module 3)

Guide the student through the use of a Boolean and check their understanding

13. What is an operator in Python? (Module 4)

Student should answer along the lines of;

On operators is a means in which we can manipulate some values. We use them to perform operations on variables and values ✓✓

14. Ask the student to demo an arithmetic operator (Module 4)

Guide the student through the use of an arithmetic operator (it can be any variation) and check their understanding

15. What is an if statement? (Module 4)

Student should answer along the lines of;

If statements evaluate a condition and if it is true then the code can enter this block and execute the block hidden inside of it ✓✓

16. Ask the student to demo a comparison operator in an if statement (it can be any) (Module 4)

Guide the student through the use of an arithmetic operator in an if statement (it can be any variation) and check their understanding

17. Are decision making statements evaluated in a top down manner? (Module 4)

Yes ✓

18. What is a for loop in Python and why is it used? (Module 5)

Student should answer along the lines of;

For loops are used to 'loop' through an iterable object and perform the same action on each item in the list ✓

19. Ask the student to demo a loop (Module 5)

Guide the student through the use of a for loop or while loop and check their understanding

20. Ask the student to demo a function (Module 5)

Guide the student through the use of a function and check their understanding