



CATAPULT

ICTPRG302

Apply introductory programming techniques

Table of Contents (Extract)

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<https://catapultlearning.com.au/product/ICTPRG302/>

Trainer/assessor guide

ICTPRG302

Apply introductory programming techniques

Welcome to this unit of study

This unit describes the skills and knowledge required to create simple applications through introductory programming techniques.

It applies to those who have responsibility for creating applications and includes applying language syntax, control structures to create code, using programming standards, testing and debugging.

It may be undertaken as:

- » part of a formal qualification nationally recognised through the Australian Qualifications Framework (AQF)
- » a stand alone unit
- » part of a formal skill set

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About this trainer/assessor guide

Learning resource

The learning resource is divided into the following topics:

- » Establish application task
- » Apply language syntax and layout
- » Apply control structures
- » Code using standard programming algorithms
- » Test code
- » Create a simple application and seek feedback

Each topic provides information to help you gain the skills and knowledge required to perform the work tasks to which they refer. Read the information and practise the skills described. You should also take the opportunity to undertake additional independent research. Your trainer/assessor may also provide supplementary information including interpretation of the contents of this resource.

At the end of each topic is:

- » a set of true or false questions
- » a set of multiple choice questions

These questions provide an opportunity to check your understanding and progress. They are self-marking and do not form part of the assessment for the unit.

Assessment workbook

To have this unit recognised as a formal qualification you need to have your skills and knowledge assessed. The assessment workbook provides:

- » information on competency-based assessment
- » instructions on how you will be assessed
- » assessment tools to assess your competence
- » instructions on how to complete the assessment tasks within each assessment tool

To be assessed as competent you need to provide evidence that you have the skills and knowledge to undertake the requirements of this unit. This assessment of competency is made by a qualified trainer/assessor from a registered training organisation. You must complete all the assessments as directed by your trainer/assessor to the required standard. It is not necessary to work through the guide in the order in which it is written. However this is at the discretion of your trainer/assessor.

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