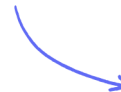


Exam Questions

2.2 Applications Generation

Application Software / Utility Software / Open Source & Closed Source Software /
Translators / Stages of Compilation / Libraries, Linkers & Loaders

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Total Marks

/14

- 1 A small manufacturing business uses networked computers with closed source application software installed.

A spreadsheet application package is used to calculate employee's wages.

Give one benefit of using a spreadsheet application for this task compared to calculating wages manually.

(1 mark)

- 2 A programmer creates this function shown in **Fig. 5** using a high-level language.

```
function mystery(x,y)
  total = x + y
  while x >= 10 then
    x = x - 10
    y = y - 10
    total = total + x + y
  endwhile
  return total
endfunction
```

Before the code in **Fig. 5** can be executed, a translator must be used.

State the purpose of a translator.

(1 mark)

- 3 When Imogen creates programs in a high-level language, she makes use of **libraries**.

Explain what is meant by a library, giving **one example** of when one may be used.

(3 marks)

- 4 For each statement shown in Table 5, **tick (✓) one box in each row** to indicate which stage of compilation each action takes place at.

(4 marks)