



Government of **Western Australia**
Curriculum Council



COMPUTER SCIENCE

Stage 3

WACE Examination 2010

Source Booklet

These forms relate to question 28.

Bingdarra High School Athletics Carnival				
Race:	200m Hurdles	Event:	Under 13	Male
Student Number	Student Name	Time		Place
82301	John Tan	55 seconds		5
82871	Bradley Smith	52 seconds		2
82330	Justin Black	64 seconds		6
82199	Keong Lam	90 seconds		8
85170	Andrew Wordsworth	54 seconds		4
87544	Joel Butler	87 seconds		7
88331	Ryan Walker	49 seconds		1
81552	Jason Walker	53 seconds		3

Bingdarra High School Athletics Carnival				
Race:	200m Hurdles	Event:	Under 15	Female
Student Number	Student Name	Time		Place
82501	Melinda Butler	65 seconds		4
89011	Christine Lim	62 seconds		3
82377	Amy Green	70 seconds		5
83999	Claire Turner	90 seconds		7
85551	Jane Nelson	55 seconds		2
87000	Mary Green	87 seconds		6
88332	Tina Carey	48 seconds		1

Bingdarra High School Athletics Carnival				
Race:	200m Hurdles	Event:	Under 17	Male
Student Number	Student Name	Time		Place
81145	Steve Fey	55 seconds		4
81165	Kevin Bland	87 seconds		5
82350	Geoffrey Moore	48 seconds		1
82450	Grant Fitzpatrick	90 seconds		6
83419	Chris Keong	54 seconds		3
88901	Jason Asid	87 seconds		5
89012	Tim Potts	49 seconds		2

Bingdarra High School Athletics Carnival				
Race:	Long Jump	Event:	Under 13	Male
Student Number	Student Name	Distance		Place
87632	Cameron Smith	3.54 metres		4
82390	Jason Noll	4.23 metres		1
82871	Bradley Smith	4.01 metres		2
85170	Andrew Wordsworth	3.99 metres		3
87544	Joel Butler	2.12 metres		5

Bingdarra High School Athletics Carnival				
Race:	Long Jump	Event:	Under 15	Female
Student Number	Student Name	Distance		Place
85621	Kelly Gordon	2.98 metres		7
89011	Christine Lim	5.01 metres		1
83999	Claire Turner	4.23 metres		2
87000	Mary Green	3.3 metres		5
88332	Tina Carey	3.1 metres		6
81167	Jane McKail	3.45 metres		4
82376	Phoebe Lam	3.66 metres		3

Bingdarra High School Athletics Carnival

This pseudocode is for question 29:

Global TopFemaleSurname
Global TopFemaleFirstName
Global TopFemaleScore

Global TopMaleSurname
Global TopMaleFirstName
Global TopMaleScore

TopFemaleScore ← -99
TopMaleScore ← -99
CurrentScore ← 0
StoreStudentNumber ← 0
StoreStudentGender ← ""

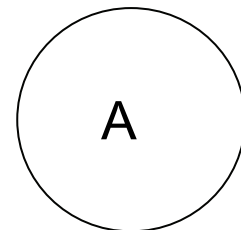
Call ReadNextStudent(CurrentStudentNumber, CurrentStudentSurname,
CurrentStudentFirstName, CurrentStudentGender, Place)

StoreStudentGender ← CurrentStudentGender

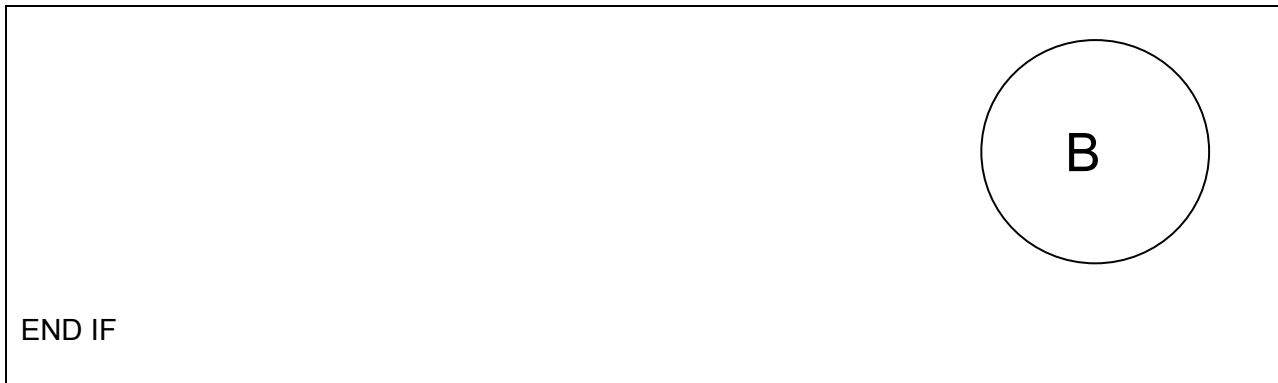
WHILE NOT EOF

```
IF StoreStudentNumber <> CurrentStudentNumber THEN
  IF StoreStudentGender = 'Male' THEN
    IF CurrentScore >= TopMalesScore THEN
      TopMaleScore ← CurrentScore
      TopMaleSurname ← StoreStudentSurname
      TopMaleFirstName ← StoreStudentFirstName
    END IF
  ELSE
    IF CurrentScore >= TopFemalesSore THEN
      TopFemaleScore ← CurrentScore
      TopFemaleSurname ← StoreStudentSurname
      TopFemaleFirstName ← StoreStudentFirstName
    END IF
  END IF

  CurrentScore ← 0
  StoreStudentGender ← CurrentStudentGender
  StoreStudentNumber ← CurrentStudentNumber
  StoreStudentSurname ← CurrentStudentSurname
  StoreStudentFirstName ← CurrentStudentFirstName
```



ELSE



Call ReadNextStudent(CurrentStudentNumber, CurrentStudentSurname,
CurrentStudentFirstName, CurrentStudentGender, Place)

END WHILE

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