

1 A program is being developed for the management of a sports centre.

(a) The programmer developing the software decides to use modules (procedures or functions) and local variables. They also decide not to use global variables.

(i) State **two** reasons why the programmer decides to use modules.

1 .....

.....

2 .....

.....

[2]

(ii) State **one** difference between local and global variables.

.....

..... [1]

(iii) State **two** benefits of using local variables.

1 .....

.....

2 .....

.....

[2]

(b) The pseudocode design contains a number of expressions.

Complete each pseudocode expression so that it evaluates to the value shown.

Refer to the **insert** for the list of pseudocode functions and operators.

Expression	Evaluates to
..... (68)	'D'
..... (04/02/2025)	2
.....TRUE	FALSE
..... (..... ("Court1.4Upper" , ....., .....))	1.4

[5]

(c) The table lists some of the variables used in the program.

Complete the table by writing the most appropriate data type for each variable.

Variable	Use of variable	Data type
MemberCount	stores how many members have used the sports centre each day	
TotalTakings	stores the total amount of money taken each day	
BookingConfirmed	stores the state of a booking for an exercise class; a booking is either confirmed or <b>not</b> confirmed	
MemberDOB	to calculate when to send an email with a birthday message to a member	

[4]