(i)	Nun	ber Of train	V = D	Tra	PalD =	82	12	3 boto	Ein X	•
	O Aprit	Numberoftain Trai						La Cart		tyo
	2010年	0	1		起设		26	6/	40	5
			al	,						
	Name	ver of Trains							/	
	octput	ver Of Trains = 1 Number Of Trains		T	rain	Tra	Digit	X/		Y
		t			1			\times		
- Y										
										1
	Nu	umber Of tr	ains =	- 2					-	
W- / .	output	Number of Tr		Trains	Trau	'n	Transp	W X		4
	Train (Dat X, Y			ı	l					
					2					
	3									1

(ii) The algorithm doesn't work because the condition on line 4 results in a number of errors as stronger highlighted by the test data. When the number Of trains = 0, the loop from lines 4-9 should not be entered, however, as trains begins with I, the komunating condition is never met.

> When the number of trains = 1, The loop from lines 4-9 isn't entered, despite the fact that it should be executed once; this is because the terminating condition is met strought away.

When the number of trains = 2, the loop from lines 4-9 is only executed once, despite the fact that it should be executed twice. This is because; once inside the loop, the trains integer is inevenented and the temenating Condition is met.



sis la addition, lines 12-13 are incorrect gis they show the values returned from the Readlocation procedure are incorrectly used.

> In the DisplayTraid(1D procedure, it doesn't display at the correct co-ordinates.

(in) I would modify the algorithmin a number of ways to ensure its correct functionality

1. line 3 should be changed to train = 0 2. linewill should be changed to

WHILE Frain < Number Of Trains

3. Line 8 should come before lines 5,6,7

This will remove the loop problem

4. Line 12, 13 should read

Location X = X

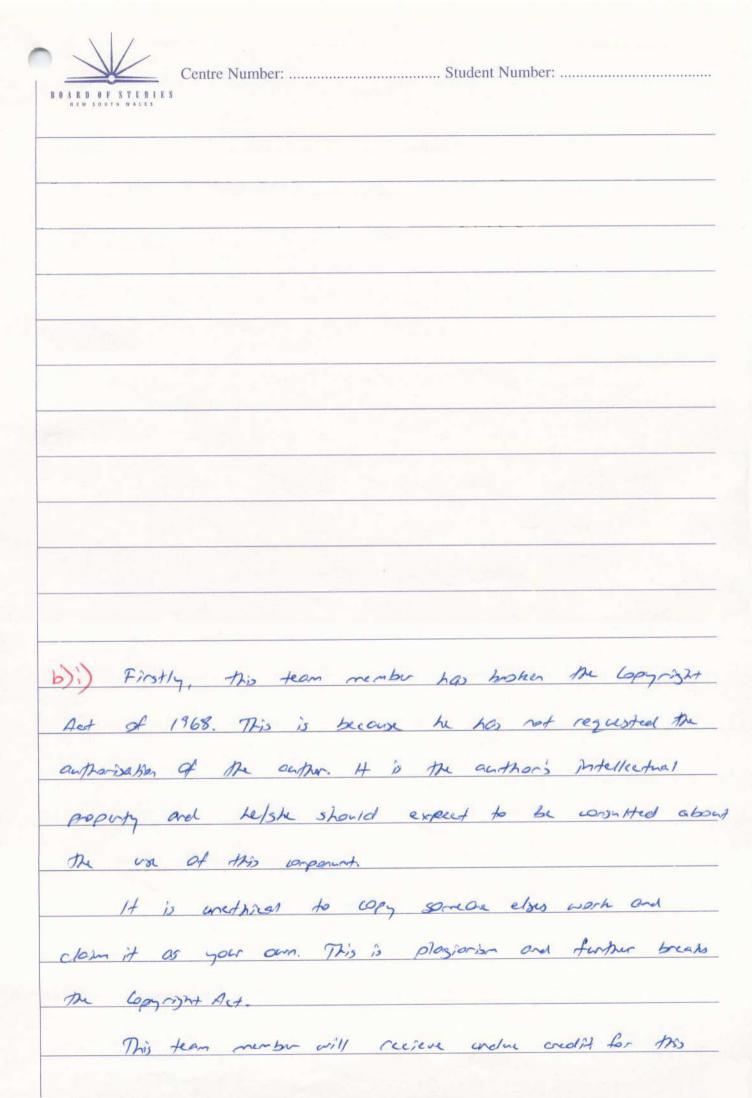
Location Y = Y

and should appear after lines 14 and 15

5. Line 18 should redd

display Train ID at LocationX,

Location 4.



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work, as the source how rat been acknowledged.

Lastly, as a result of this puses plagforising the section he task, the manufacture must increase the cost of his/her product see to come the costs for the splen one.

As software developers, their responsibilities are to

reate a reliable and quality piece of software, ensure

it has no virus infections, even it does the task

consistently and that all sources of information are

ack quality acknowledged.

degree of quality to it. Consumers purchase their products
expecting that the softwar accurately completes the task and
how so logic, syntax or run-time errors.

Sciendly, the software can not contain any vinus that may clamage the corporter system of the Train

Department. It should be checked with an Anti-Vinus program to ensure that no buy as remain in it when sold.

Lastry, to present copyright infragements, sources of information must be correctly acknowledged to prevent any legal

proceedings that may occur.