A A) • Fragment 1 - would most likely be the imperative paradigm. Features of this paradigm evident in the code. Stagment includes its declarative, ultilised the concept of forward chainning and is processor independent.
• Fragment 2 - The paradigm of Forctional would be the most-likely paradigm. Features which are evident in Code fragment two includes the use of variables, repitition (loop), assignment statements and mathematical concepts. This code fragment is similar to that of the language = pascal which is apart of this paradigm.

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B Recesons for the emergence of the object privated pareoligm (000) includes:
B Speed of code generation
User Simplicity is another ability of non computer programmer personnel having the ability to code simple projects.
Allowing users the ability of modifing code modules / sub routines and behaviour of objects.
Giving the programmer to focus & design the Gul in an

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casy & precise way without the need to specify sizes (dimensions) colours and other attributes of screen elements in code · Allows the re-use of existing modules (so subroutines In an effective way and the ability of programmers to modify the behaviour of screen elements (objects) in an every way in comparison to previous paradigms which required lengthly code to archieve the same effect resulting in an increase in productivity leading to an increase in coole generation.



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(c)(i) The logic error is that the while statement relies on the height entered during the program and the height has not been read yet by the computer. This can be fixed by · entering and reading the beight before asking the WHILE statement · Not including the while and adding an IF statement underneath height reading: IF height <> 0

THEN white ('Enter width')

ELSE stop program.

...... Student Number: Centre Number: .. DOFSTIDIES 11) base: integer function TTriangle: area: integer; begin area: = (1/2* base * height); end; var InstTriangle: TTriangle; begin write ('Enter height'); readly (Inst Triangle height); while InstTriangle height <>0 do begin white ('Enter wiath'); readin (InstTriangle . width); writeln (The area is', Inst Triangle. area); end; end.



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d) The logic paradign would be best suited to this problem. The system described requires the software to make decisions based on the number of passengers and prices of pagage required to go to any given sector. The logic paradigm allows the 01WB4

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Questron 24 d) cont compter to assess the load on particular chetter and decide the chutes need to be available for each destination and class. This is becaused it is possible to input rules into the system such as, the number of bugs a chote can handle and number of bags going to a particular the chites. Using rules such as these, the system and where heavy loud and which at vill be under a light the load The system could then make a decision to allocate more or less chocks to different destination, and classes.