

24

a)

Fragment 1 is using the logic paradigm because facts are stated. eg. sally's hair is red and john's hair is brown.

Fragment 2 is using the functional paradigm. This section of code cases a control structure, regulation in the form of a pre-test loop. It also uses a variable, 'x'.

These are features of the imperiture paradigm.

6) There have been many reasons for the emergence of

1 recognition of repetiletive programming tacks

Object oriented programming alloweds objects to carry out

there tasks and are not needed to be coded from weatch.

2. Desire to solve different problems.

With the advert of event drives programming, object oriented programming has energed because the way object talk to each other is an enjectent takes advantage of the fact that event drives programming relies on the user to determine what the programming relies on the user to

	Centre Number: Student Number:
	BOARD OF STUDIES
	3. Recognition of basic building blocks.
	Object Oriented Orientated has become joular herause it
	uses basic building blocks in it object so they are not
	reeded to be created from scratch.
	4. Greater productively.
	Object Orientated languages have become popular because
	it is very easy to learn them. This increases productivity.
1	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
-) i	The value of InstRectangle height is not gives a value before
	the loop condition therefore nothing happens. One nettered of
	correcting this error would be to set the rectangle height
	before the loop or to make the loop post-test so the
	rectargle actually has a height.
ř	function Ttriangle area : integer;
	begin
	orea := (0.5 * base * height)
	end;
	1
	begin
	while Inst Triangle height aro do

_	Centre Number:
N E W	OF STUDIES
12	anite ('Extr height');
	readler (100+ triangle height) j
	with
	write ('Enter width');
	readly (Inst triangh width);
1	writeln ('The area is', Insthriangle. area);
en	d;
and town	
T	he programming paradigm I would use for the this
ry	stem would be logical. The system has to be able
abl	to think for itself and decide whether or not to use
' Co	mpression Rules', this would require an inference engine
ent	ich is part of the logic paradigon. The system will
de	termine where the kettlered may occur, this would
in	volvey lewistics to decide where it is most tikely to
1	yer.