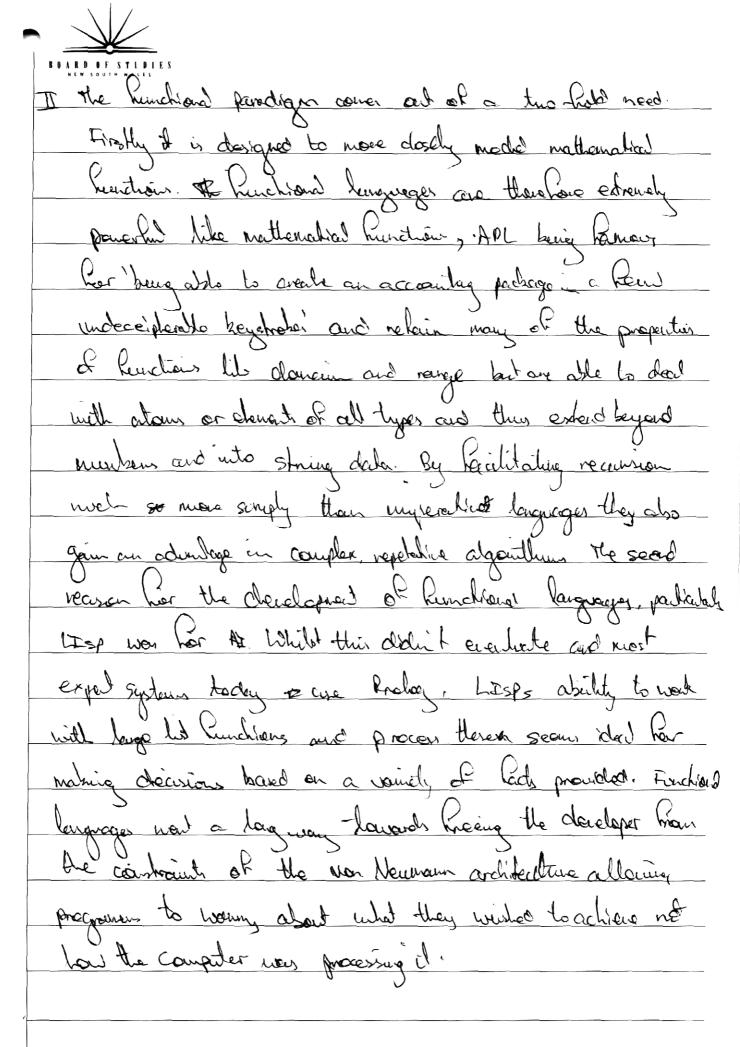


BOARD OF STIDIES
AI In the unperentue paradigm a Kenchion and a
procedure are sub-moduler or sub-routuis that perhann
(theoretially) one logical lash Both accept and return
data through parameters although a Renation is different
to a procedure in that it volum a value with the
Counction name such that it can be used in allreatly
in assignment. Consider the Rasal.
8
procedure Som (Num1, Nam2, Res : Integer)
begin
Res := Nom1 + Nom2;
end',
Ruchian Sum (Num! Integer; Num?: Integer)
begin
Sun:= Numl + Numz;
e.s.
the Runchion can be called simpler:
The act of your services
Uniteln (Sum (3,2));
WMIERY ( > TO ( ) )

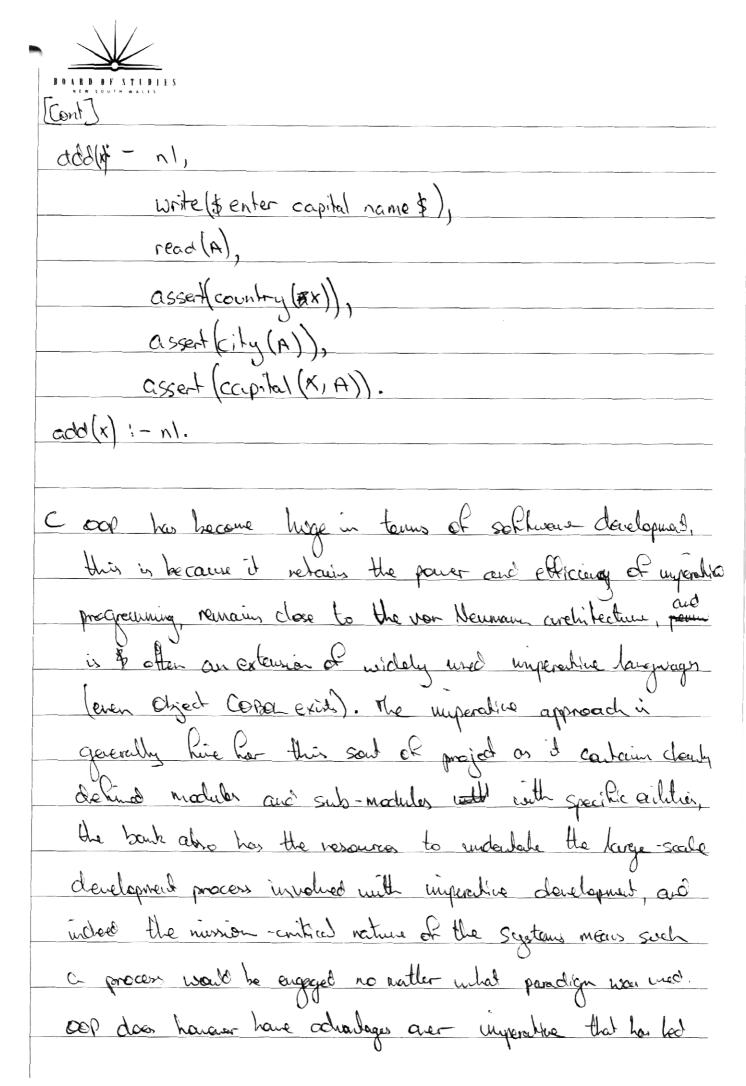


which would and the display 5' to do so with the procedure would inadue a variable to hold thes. In importise programming all Runction and procedures are called, by originally from the program main his In the kincheard paradigm the entire program is a continuous Kunctions. That is to say that rather than being revolved in a logical sequence governed by soquence and solection control structures the procurem have executes by executing one murchan after the other in a given order departing on the language. Sequence can be controlled by reportedly calling the same Kuchion again with a shopping condition (recursion) and selection can be perfound by interior a kunchon that brandes control when we Say thomas program is entirely made of hundrain, it is boil illustrated in (+ (+3 40) (\* 32) (+13)) Have there are Cour Kunchions, the cocle is Keinly self explanting only two pre-enote delined hundres are used (+ and \*) that parken as in malles. But the structure of the program is Such that only Kunchions exist and when executed the result of 23 is displayed





BUARD DE STIDIS NEW SOUTH WALLS
B I The paradigm shown here is the layer paradigm. While
this program appears to have some flow and structure it also
bears all its marks. Firstly, in the unit database
sub-module a list of facts is entered, that is, it is
assertal that Australia, spain Prance are counting container
pain madrid are capitals and then matches the hus
Next we see a serier of rules or predicates for molding
ap continue la capital. The show-capital predicate states
that for country (x) and capital (x, y), display the capital
and contay, it also says to say that if city(x), then show
their x is a city not a country. It both there prediction had
then a 'not in dalabase' mensage in shown Finally recursion
is used in the go routine, if a is not quit then
"go" is called again, The stopping care is that is = quit
It show-capital (x):-
write (x) a write (\$ add to database? \$), 11,
read (Z),
Z = yes
add (x), a new module
see next
·





to it wide adoption and we in this case. There are namely encapsulation and polymophism. Encapsulation allows the separation of attributes (decka) and the methods that occers them, thus have the customer details can be separated from methods used to relieve and set them, this means that the data cannot be set out of a specific range that the system is not designed to headle, it makes the system more hall proof and is purhicularly unpolar if other systems interface with this system as they may be created a different time and interact differently to components of the existing system. It probable other system that needs to interferce with their system is that her ATMS interp much business is conducted. The Object-Oracle panelyn also provides intendance and polymorphim. There are many commonalities behinder processing a cash deposit and chaque deposit land electronic deposit (or the nother), the cop allows a class shricture to be built with common leatures is a parent does Polymophum then allow there objects to behave as their powerts and involve commen

The Runchiand paredigm involves splitting a problem with the smallest comparent, in the cone of a bank this still involves a rigid and serprential procon for many things, for this the

