Subject > 'OOAD'

Assignment - 1

&1 Explain different types of object oriented features along with an example.

And There are different features of such as:

circleict: - abjects are the bosic runtime entity. They may represent a person, place, account etc. It is the instance of class and consist of method and properties to make a particular type of data weful.

g: - class person

E functions
11 statement

int main ()

3 person pi // pt is an object

(ii) Class: - It is a user define datatype which hald its own data member of member flanction which can be accused by an object of that particular day.

It is blue print for object.

class person

you'd function

you'd function

you'd function

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· Mese, a class (person)
consist of its own
function.

the provide home photomorphis

with knowle the later -

3. Encapsulation: - chrapping up of all date and abject under a single unit is called Encapsulation or use an day that containing data of function unit alled class leads to encapsulation.

cansider a realite egos encapsulation, in a company, which contain different dection like accounts of sales etc. Accounts of company and sales section they have to contact dame ather afficier and to give particular data. This is what encapsulation is. Here data of sales dection the porticular employed are usuapped only in a single name "sale section."

4. Data Abstraction: It means displaying only exsential information and hiding the details. That is providing essential info about data to outside world, hiding the background details or info.

gi- In an ATM a person con only retrieve money when ever he want but he has no idea how the hartraction from his account is actually done one one can day that he can use ATM but don't know it implementation.

B) Polymorphism. It means a state of having many slapes or ability to take diff. forms Real life en can be deem as a women at the dame time com have diff. Characteristic like, daughter, mother, employer etc. It is of of a types operator over looding of functiones looding of the aver looding of the aver looding of the aver looding of the aver looding of the class Hultiply tun

E static just Hultiply (int a, ivil b)

redurn axb;

```
& takic double Multiply Cdaubles, double b)
    3 return at b; a many to be a for those to many
  class Hair & public static void main (ching[] arge).

Lystem out printle (Hulhiply Fun. Multiply (2, 4));

Lystem out printle (Multiply Fun. Hultiply (55, 6.3));

3.
    0 0 8
          34.65.
6 Inheritence: - A capability of Characters tic from a class
                                 a class to derive propostics of
 eg - class Parent
                         THE WAY WILL PER
      E public:
int idp:
      class child: public parent
      3; int id.c;
         public:
                        tour place will content
            us lummaple to arealigh as theory seems took ...
     int main () could be to report to be a formation of
          Cilde : + 1 2 5 5 1 stand let longth of
      Count Cl'child id = 'cl (-id-c)
       cent ce "ched porent id = " LC C-1d-p;
```

- 7. Dynamic Binding: Refers to linking of a function all with function def. is called kinding and when it takes place at runtime is called dynamic binding.
- 8. Message possing: The process by which one object can intract with alter object is called madage possers.
- 02) what is meant by it erations. Explain iterative development model.
- Ana) T terations allow us to focus on a subset of the complete project as we work out the details.
 - process of building one of the subsystem.
 - The procus allow us to test each subsystem independency and assure its proper functionality.

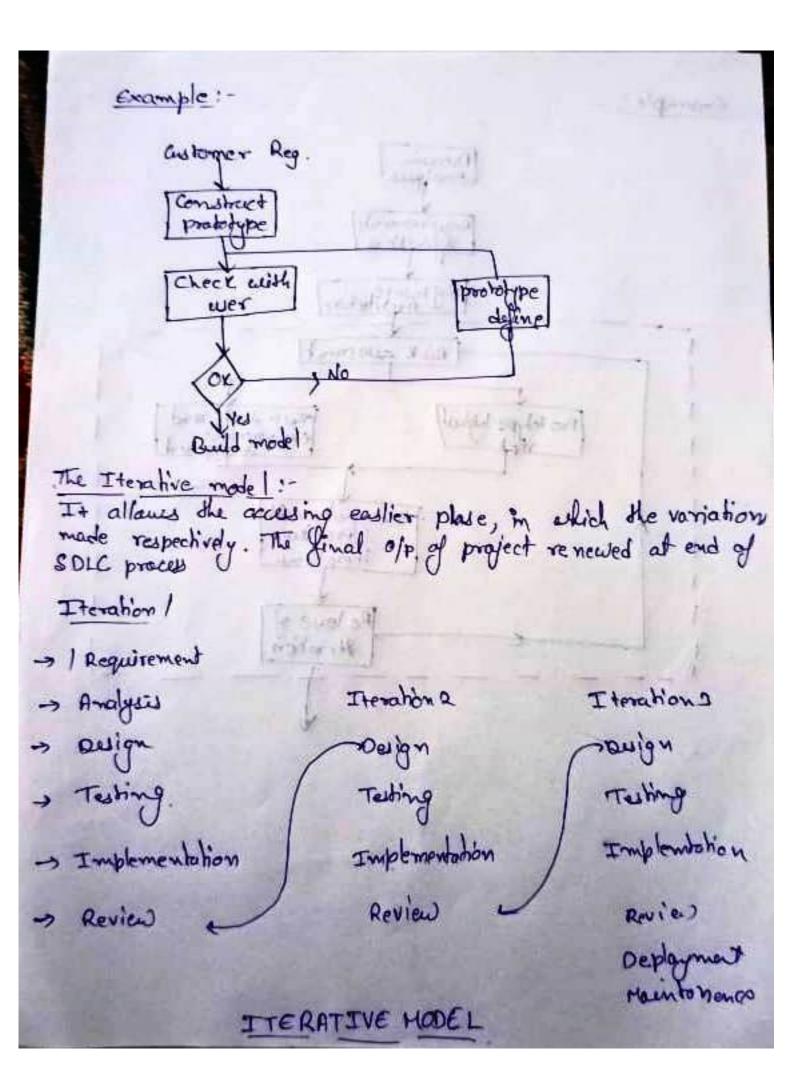
 Substantial distinct stage of development, integration of dubustern into a cubole, we focus on integration that each substem has been fully tested.

 Protodype model & an example of flerative development.

 Interative development.

The defluerse process or defluerse development associated with the object oriented development is inherited different form, traditional defluerse life cycle

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