DOC-Object orated concepts

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Pop

· Emphasis on privadure.

- programming task in alivided with collection of last is alived about the and functions.

- provedures are Boing separated gram data being manipulated
- · Date is not some Recurre
- A piece of code uses the data
- · Top down approach is used in the program design.
- Debugging is the difficult boston.

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Emphosis on data.

- behind i stal primargury.
 - between the religion of the mark mark who are alob mark

, Doll 'ig Scruse

- The data used fine passer specific tost.
 - ngilsb mergarg ru belv in
 - · Dobude Debuggereg is in Reventer.

la,

The controll will more grown calling to called function. Then requesent will be pushed on the stock. Then Controll will make back to the college prom alled quotion, This process takes restate time in recention.

To avoid this, us use inline function. Au relignos, enilis es bereales si noitres tompiles who guplaces a gurction call with furtism wide.

EXI. # include < iosterium. h> roid main ()

Cout & move (40,60);

geten Co; (dtre int more (int a, with)

y carb)

Else pestudin b/

A replene variable is nothing but a reposence go an Existing vosiable. Is Shores the mandy bration with an Existing voliable,

Systax'. 5

(data = type > gray- par-name) = & stricting - par-name);

if a rig an excisting integer type and we want to section if they are reporence to it, the Statement is as follows 102 per & true

```
Duy 21 a suprance to a This mean that although
irey and a' have separate sentiles in the os, their address
or actually the Same, Thus, a charge in the value of a'
will nationally some reglect in in its judy and vice rolla
bambon;
# intende < iostream. h>
Using namespace std'
( him the
  art a, b, stomp;
   Conter! Entre a number! " (< randl')
   ch >> a;
   couter "Enter another number "1" / End"
    añ >> Þ'
    temp =a;
    a = b;
    gnet: d
    cont 24, White set petato smothing "/" ( 3 rd;
    conted" a = " era la (b = " la ble a fond")
     Cout < c'Numbers often Surepping: /n'<< 2rd);
      but <<" a = " << @ << " b = " << b << & dl;
      gratuser 0'
```

(3D) storo or note personal having Same Dame by betty forent orgunments may different in the orgunment or without in the type or number, or both,

```
However, the testing types of everloaded mornedes can be the
               different is alled further probleming.
  41. mainter > southern . 4>
  4. dilbts > ebulori, #
   At dayine p3 3.14.
    class Fno
              Public:
                (tri) serso bor
                ( this, his ) sales bios
                "(this, this, teal) asks bion
            4;
        ( strice ) asses ( int &)
              cource " sprea of circle; "i'de pia & & &;
         (d tris, otre) our (! ort bior
              cout < c" one of Mechangle: In" (< a + b)
          (d tais, a tis, extralf) asses :: ont bion
                courter " Aprea of triangle : " " " >> tows b',
           void main ()
            ant ch;
             sit a, b, r;
             Class 81)
```

```
Fro obj !
contec" In 1. Aua of circle In 2. Area of irectargle In3.
           Alea of triangle In 4. Exit: ";
  Court < c "renter your choice:";
  an >> ch;
   Swith (Ch)
    Osel: contec " Enter Hading of the Wicle: ";
     Ch >> t;
          ; (8) area . polo
          Break '
     (ase 2: cource" Entroi sides of rectoragle:"
          ci >> 0>> 6:
            obj. orua (a, n);
            Bleak'
    ase 3! contice" Enter Bides of the Griangle!".
             an >> a >> b;
               06, orea (0.5, a, b);
            bleak;
   Case 4: Excet Co);
    dejault! contic" Invalid choice!!! \n",
    goten();
```