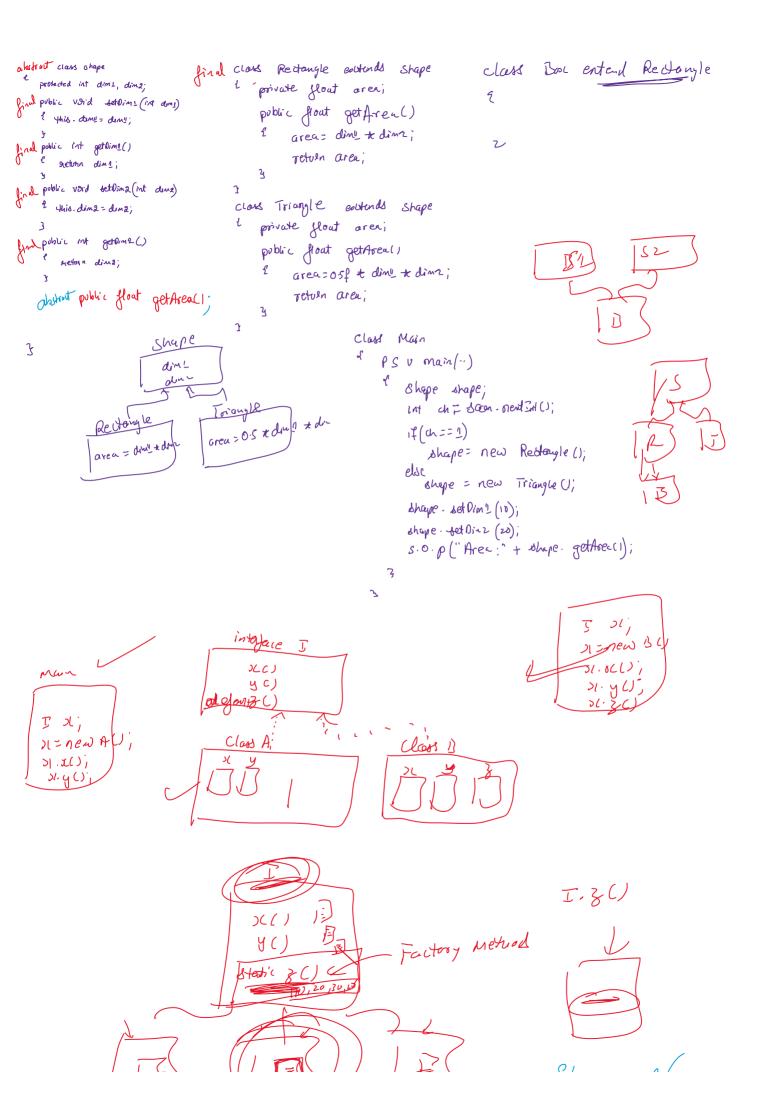


Student [] Stud = new Student [5];





Stream. of (10, 20, 30, 40,

Interface ICarde

Reproblic gloat Pi

Reproblic static float gat Pi()

Reproblic static float

Reprobl

FC-rile gates

```
clos of inflower IDisplay
dass of contacts IDisplay
interface I Display
 void display Hessage (Shong msg);
class Oisplay implements I Display
                                                          class Main
   public void displaymentage (string mag)
       s.o.p (mg),
                                                                  I Display 14 = ( New I Display ()
3
class Main
    PS v main (string args)
          I Display = + = new Display();
ref. duplayMewage (" Hello work");
 3
 OFunctional interface
interface Idisplay
                                                             class xyz
      void displayMessage (String ong);
                                                                 public static void dup(string mug) & s.o.p ("Message:"+mug);
  3
             Main
  class
       ps v main(··)
```

I Display sef = 'xyz: disp;

ref. displayMessage ("tello world");

```
interface Toisplay
                                   Class Display
   void displayMessage (String msg);
                                    public static void disp (String msg)
                                          S.o.p ("Message ;" + MJg);
ያ
class Mair
                                             class Display2
e ps v m(-)
                                             2 public static void mydisp (Storny msg)
       I Duplay ret = Display :: disp;
                                                    S.o.p ("###"+msg+"####);
       ref displayMetage (" Nello ");
                                              4
       Touplay of 2 = Diploy2: mydisp;
        refa. display Message (" wald);
   3
3
```

```
Class Simple Interest
    public otatic float calculatesimple Interest (int P, float t, float s)
        return ( P* t+ 1/10);
Class Compound interest
     public State Coloulate Compound Interest (int p, float t, float n)
          return P* Matu. pow(1+1/100, t);
 צ
       public float calcIntacs+ (int p, float +, float 9);
  class Main
             Interest ac = Simple Interest :: (alcular esimple Interest;
             S.O.P (" S3. + x. catc ] Herent (10000, 2, 14 Sf));
              Interest y = Compound Interest : Calculate Compound Interest;
             8.0.P("C3;"+y. calcInterest (10000), 2, 14.5.1)
    }
```

```
packageorg.cgi2;
Class FindingLS{
    public static int findLargest(int a,int b){
         if(a>b){}
             return a;
         }else{
             return b;
         }
    }
    public static int findSmallest(int a,int b){
         if(a < b){
             return a;
         }else{
              return b;
    }
}
Interface LargestSmallest{
    public int find(int x,int y);
}
Class LargestSmallestDisplay{
    public void display(LargestSmallest Is,String message,int
    value1,int value2){
         System.out.println(message+":"+ls.find(value1,value2));
}
public class FindLargestSmallest{
    Public static void main(String[] args){
         LargestSmallestDisplay obj = new LargestSmallestDisplay();
         obj.display(FindingLS::findLargest,"Largest", 25,13);
         Obj.display(FindingLS::findSmallest, "Smallest", 25,13);
}
```

```
interface I Arithmetic

public int calculate (int x, rnt y);

public static int add (int x, int y)

class Main

property of the static int add (int x, int y)

class Main

property of the static int add (int x, int y)

for main (String[] args)

I Arithmetic or; 412 = Arithmetic fun: add; public static int solution at (int x, int y)

S.O. p ("Sour;" + arithus. Calculate (10,20)). 2 int 3;

Thirthmetic or; 412 = Arithmetic fun: Solution (3);

Thirthmetic or; 412 = Arithmetic fun: Solution (3);

s.o. p ("Out":" + arithus. Calculate (10,10)); 3

Thirthmetic or; 412 = Arithmetic fun: Solution (3);

Thirthmetic or; 412 = Arithmetic fun: Solution (3);
```

```
integace Thrithmetic

public int calculate (int x, int y);

class Main

ps v main (String[] arge)

fhrithmetic or; 41= (x,y) > { int 3;

3=x+y;

5.0.p("Soun;" + or; 411 . Calculate (10,20));

[Arithmetic or; 42 = (x,y) > 2 - y;
```

5.0 p (Diff: "+ arithe. calculations);

```
class Asignmetición

public static int add (int x, inty)

int 3;

= x(+y);

= etrun (3);

public static int substract (inta, inty)

e int 3;

= x(-y);

= vetuan (3);
```