* Acces Modifiers:	
Private & Public Abstact	
D	
4	
Protected final transient	
U	a land land
Private: when a class is Private w	a connect access it
1 morare of which the Parish	it will not be inpurited by
when a variable to fluvai	The die to sit will
The child class when a m	under w privary in
not be inherited by the	cheld clars.
Private members are not.	accessiable by the objects
Privat clas comot is	not accipiled outside the
package it is also not	accirate by the child clam.
Principal Control of the second control of t	
	and the second s
	2.6

Dfault: within the package, through subclass/childclass.

murbers are not accinable through object

Protected: When a member is protected it is inherited by the child class. we cannot access much through objects we can access class subside the package through child class.

Public & when members are public we can access them using objects.

Public members can be inherited by the child down class is
accessible directly or by child class outside the package.

Stalie's when a class is static all member an static when a variable is static it will get memory when class loaded into memory.

Static variable shared among the objects, when method is static it get referred when class boated in the memory.

We can access static member using obasestations.

Classrame id;

Classrame method ();

Abstract: When a class is abstract we cannot create its object
when a method is abstract we cannot provide implemention;

any class contains single obstract method must be dicleared as
abstract class. abstract class can costain now abstract method
any class inheriting or enthuling abstract class must overwite
all of its abstract method the child class again become
abstract class.

Abothert and find ran't be wild together. DATE PAGE Together.
that a lather a class is single for cannot class its subclass
who a mithod is final we cannot overritch it in spill class. when variable is final we cannot change its value it works as constant.
MO NAME VI GO GOS AS LONGEN -
Volateli: Volatite can be modified by two thread. Volateli is also und to areat. Thread rafe variable.
and it what Thread Nage Variable.
Transient: when a variable is transient we cannot swidized it
D > can we apply systract and level tracthy on class
Descen we apply statest and final together on class. Are Abstract is used to provide abstraction Through interitorina when final don't allow to be inherit when both apply together that class mither get intrinted nor initialized
together that class wither get inherit when both apply
* Tubu of A illa
Types of Nariable: They must be initialized to before (2) Earterner Variable -> class variable value is not should among 3) Static variable the objects is the above of the state of the state of the objects is the objects is the objects in the o
2) Onstone Variable -> clas variable value is not should anone
1 Clar Clar Gold in Dial
it will get mynory when all land
in memory, value of Voriable Marid
among all objects,

```
Clas Aria 5
               Protected int or, w, h;
              Public void circle (inta) 5
                 System. out. println ( 3.14*91 *52);
             Public void rust (inta, int 6) [
               W=a;
              System, out, println(w*L);
      Clas AruaDimo I
           Public States void main ( String 5 []) [
             sua obj = nur Areac);
              obj. dr.ch (10);
             obj. ruct (6,7);
11.W
  Take um imput or, w, h and same code abour.
     import Tova: will Scanner;
      Scanner SC = New Scanner (Septemo in);
         n= sc, ment Int();
```

	if a class is static make all mentins stati	C BATE PAGE
Static Patamentes	The same of the sa	
clas St E		1 200
	int nj inta;	
Systim. Ou	nt. println (n)	
Public statio	1/2id 9401) 5	
	ret houtle (or) "	nor un n.
	l main (String ango C	7) [
System. out. pris		
obj. n z 1607	- STC);	
Scotin out printle Obj. Show ();	n(st.n);	
	And the second s	

Abstract 3 clas Point (
void Show C) &

system out printly (" Dumo inheritana"); Clas Child & esetunds Parent & system. out. println (" m2 of child"); class DemoInhout [v Public static void main (String orgs [7) { child obj = nut child (); obj. m2C); Abstract Clay Aria Eine abstract Word onacircle (float); abstract void orrarect (float, float); abstract void areatriangle (float, float);



abstract da Harshal esetudo Aria E Void anacirch (float r) & S. D.P (3.14*91*12); abstract class surgans saturds Monghat {
Void areaRet (float) float b) {
S. D. P (1*b); class yester estends Surya [
Void anatriagh (float b, floath) [
5.0.Plo.5* &*h); clan als Demo Public static void moun (strong SE] puch ely- pen yuch ();
oly. area will (4);
oly, enercetargle (10, 4);
oly, area triangle (7,13);

```
* Final:
   final class CL
       Void chimo () {
           S. D.P (" Hello world");
  Clan C2 extends CL {
         void child () {
             S.O.P[" Killo from (2");
clas finalDeno {
     public static void main (String orgs (7) [
          C2 obj = her (2();
           Obj. dino ();
          obj child ();
            program will genrate error.
```