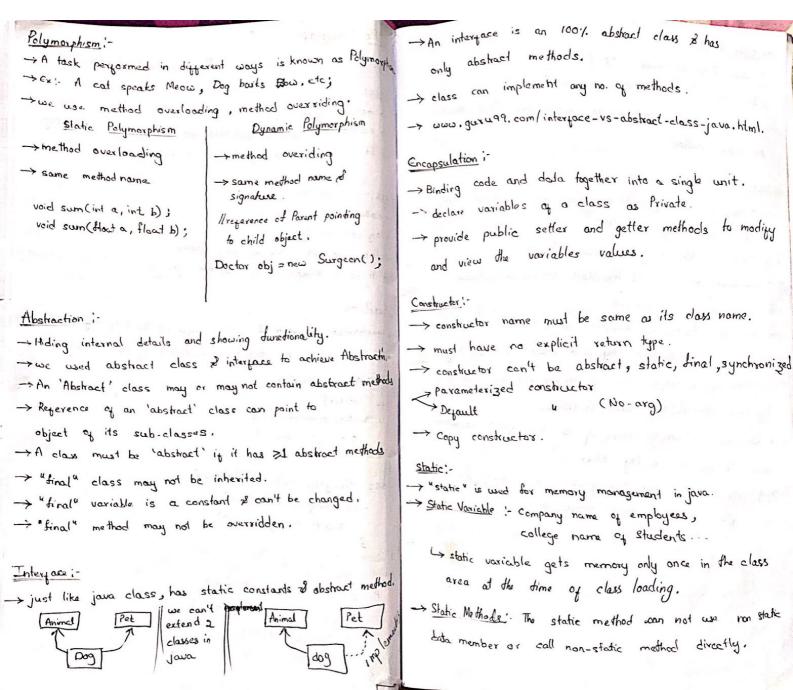
```
-> class simple &
        public static void main (String args []) {
           System. cul. println ("Hello Java");
         3
     }
-> a types:
   1) Standalone :- Destrop Apps -> Neclia Player, Antivirus.
  2) Web Apply :- runs on dower side => Servlets, JSPs.
  3> Enterprise Aprila :- Booking April =>
 4> Mobile topla :-
  is JAVASE :- java. lang, java. io, java. net, java. util, java. sql, java. ne
-> Platforms:-
      Ly cops, String, Reger, Exception, SmerClass, Multithreading, ....
 2> Java EE: - develop web & enterprise applins.
        La Serubts, JSPs
 3> Java Micro Edition: - dev. mobile applie.
 at Javafx: - day. rich internet applins.
-> Features:
  * Simple
* Obj Oriented -> Object, Class, Inheritance, Polymorphism, Abetraction
                    Encapsulation
 * platform inde , portable
 * Secured -> no pointers ,
 * Robust => no ptrs, GC, exception handling.
  * Dishibuted, Multi-threaded.
                                  > Simple.class
```

```
JVM: Jam byte code can be executed
        La loads about a very cole - execules code - sproveds con.
 IRC: - set of she tools used for developing
 Ict : - der jara applies and applets. physically exists, TRE Edin tools
 Jana Variables: www. jountpoint.com/java-variables
   I state -> declass results as state, many allocation hoppers
                only once when the class is loaded
Primitive Datotyper;
 byte, short, int, long, double, float, boolean, char
Non Pambre . - String , throy
abstract :- to declare abstract class. Abstract class can
provide the implementation of interface. It kan have
abstract of non abstract methods
. bodean - holds True of False
          :- breaks loop or switch start.
· break
· byte : derless a variable
           used in switch strants
· case :
· catch : - used after 'try', catch the exceptions
            generated by by stats
   · www.jourtpoint.com/jour-keywords.
```

```
Java Programs:
Fibonacci :
 int n=10; n1=0; n2=1;
 System out println ("Fibonacci Series");
                                       Fibonacci Sores :
 for (int i=1; i < n-5, i++)
                                        0
     4(4=0 32 n2==1)
     { s.o.p(" "+ni);
        5.0.P (" "+n2);
                                        13
   int fib = n1+n2;
                                        21
    n1 = n2;
                                        34
    na= fib;
    so. P( " + fib);
 3
Creek Prime Number !-
                                               online
public class Check Prime {
   ts v main (String args [ 3)
     S.O.P (checkPrime (7));
  public static string shock Prime (int a) {
   int counter = 0 :
                                      der ( it i=1; i < 0/2; ++i)
    to (int i=1; i < a; i++)
                                      ¿ if (a'li==0) {
                                         3 counter ++: break;
       if(a/1:==0) 5
          counter++;
  3 tetran (counter >0)? " MOT Printe": "PRIME";
```

```
Palindrome !-
   public static string checkPalin (int a) {
     int temp=a, sum=0, remainder;
     while (a > 0) {
         remainder = a 1/2 10;
         sum = enzyect remainder + (sum *10);
     return (temp = = sum) ? "PALINDROME": "NOT PALEN";
          a = a/10;
                                   scall dhis from
Factorial:
  public static int Factorial Num (int a) {
                                             Factor al (4);
       4 (a < = 2) { return a; }
       else { summe: lib z1;
         for(int i=1; i < =a; i++) {
              fib = fib xi;
         return fib;
 public static String Armstrong Num(int a) &
Armstrong :-
                                    > Armstrong Num (370);
                                      Armstrong Num (153);
     int temp= a, x, arm = 0;
                                          called from
      while ( a > 0) {
                                          main() In.
          x= a 1.10;
           a = a/10;
           arm = erm + (Y x x x Y);
    return (arm == temp)? "ARMSTRONG": "NOT ARMSTROGG"
   More Programs ?-
  www.javatpoint.com/java-programs.
```

```
OOPs Concepts :-
 Object, Class, Inheritance, Polymorphism, Abstraction, Encapsulation
 Object !-
 -> instance of a class
 -> contains an address and takes up some space in memory.
                                   - "new" to create obj
 \rightarrow It is physical and logical.
Class: data nevers + mem + fris
-> collection of objects
→ logical entity.
-> class do not consume any space.
 -> It is a blueprint from which you can create an indi, obj.
Inheritance!
-> mechanism in with 1 class acquires the property of other class
-> we can reuse the dieles & methods of the existing class.
-> "ISA" relationship.
 class Doctor {
   void Doctor-details () {
        s.o. P (" pector ... ");
 class Surgeon extends Doctor &
      void Surgeon-details () {
          S.o.P( " surgeon ... ");
 public class Hospital &
     PS V main (String args [3) {
        Surgeon S = new Surgeon (1;
         S. Surgeon - details (1;
         S. Doctor - details ();
```

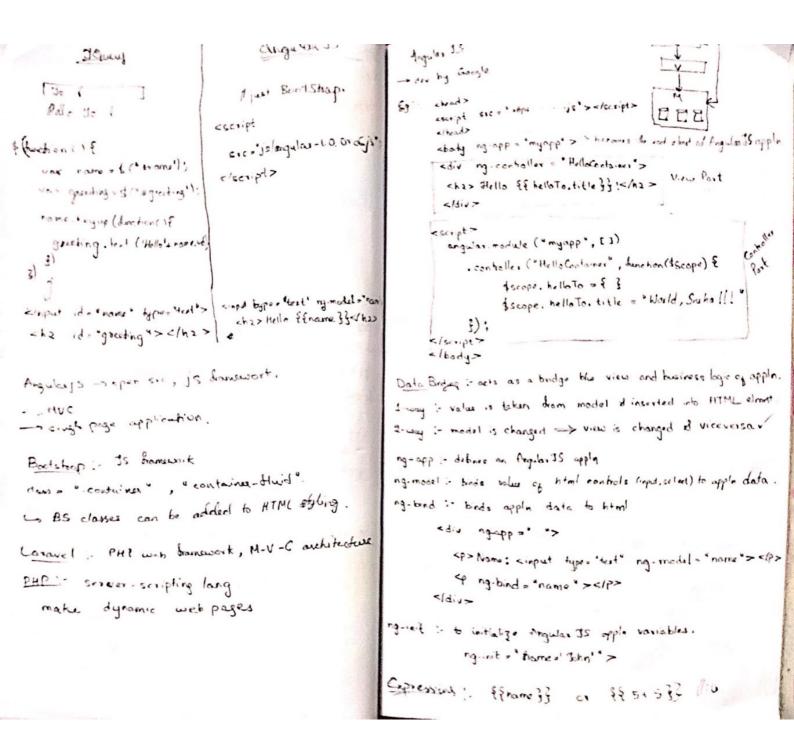


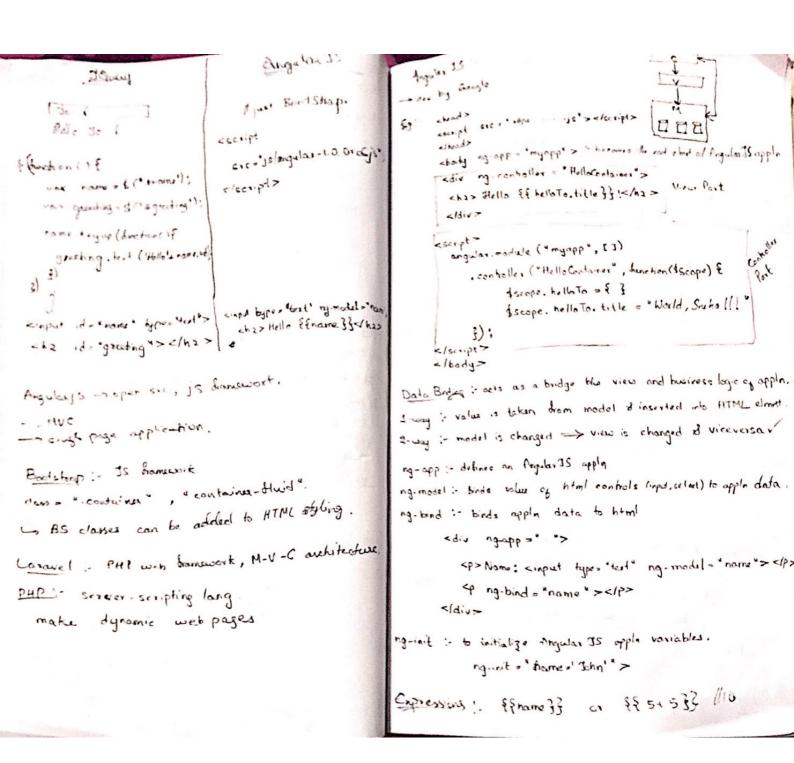
```
-> static Blocks:
                                                            -> "final" keyword:
                                                            · is used to restrict the user.
     static { s.o.p(" skd:..."); }
-> It is executed bodore the main method
                                                            · heal variable : It will be constant.
-> till JDK 1.6, it is possible to execute jour class without
                                                           -> HTML+ XHTML , drawing , video, and is
   the main method.
                                                           -> < |doctype html> is recognized by all modern browsers
                                                           - embed video on the neb pages without using the like Blash.
 -> I have I year of hands-on experience in MySql, html,
                                                           -> <509> scalable vector graphics. (imajs)
  jovascrit, jquery and PHP.
                                                           -> ccanvast is a rectaigle.
                                                                                                         Jawascript
-> Extensive knowledge of core Java.
                                                           -> new form elmnts:
 -> doined devoloped is handled stored proced was,
                                                              Color, Date, Datetime-local,
                                                                                                       web des. questions
     cursors and quevies.
                                                               Email, Timo, Url, Telephone,
-> provided technical support in QH and sublived
                                                               Number, Seasch
customed service problems top and fixed technical bugs.
                                                           -> 3 types of video bint :- mp4, WebM, Ogg
-> understing & experience of using version control
                                                              < video. controls>
                                                                                                             Rasume
   systems lite Github and Githab.
                                                                    C SOUT CL
 -> 600 a small team of 3 developers. 30
                                                            7 3 types of acidio brut: mp3, wav, egg.
    our roles are really blur
                                                               < audio controls >
 -> 4 also assist my managers with website durelepri
        also do pair programming 11.
                                                               epregress > tag used in conjunction with JaveScript
                                                               to display the progress of a task.
                                                            -> < digraphion > for < digure > dag wi get caption by lie
                                                             + <dala/ist> provides autocomplete fentiae.
```

```
+ pep-up beres .-
                                                           · Alert , · Contim , · Prompt.
-> Hmla to Hmls
 sd.v id - "header">
                                                          - Map(); - map keys to values.
                           <header>
 </div>
                           </header>
                                                            Si- var map = new Map(1;
 div id - "fooler">
                           < fecter >
                                                                 map. set (1, "journy");
 s/div>
                           </footer>
                                                                  document . writch ( map get (1));
-> Java script: poming long of himl I was
                                                           -> Work Map(); -> keys are objects
 · create interactive websites.
                                                                   ver wm = new Weathaper;
 · cleant-side validation, displaying clocks, data-timesety
                                                                   var obj1 = { };
 " no persport for multi-threading.
                                                                   wm. set (obj , "jawey");
                                                                    document write ( wm. has (abja));
 · Jour script a provided by Netscape.
                          · Microsoft .
           . .
                                                          danny: - client - side JavaScript library.
 · case - sensitive, Var is allowed, var is allowed.
                                                           Lowell written US code for event handling, ajax, animatin.
 BOM -> Browser Object Model -> Window.
                                                          - $() is all as at jamey , In (05) jamey (
 DOM -> Document u
                              - raccess dihange content
                                                              $ (document). ready (devetion() &
                                                                   $ ( up "), ess ( "background-rolor ", " Pint) ;
· history back (), history forward(), lustry golumber)
                                                               3);
  Primitive :- Sting, Number, Bodean, Undefined, Null
 > Non : - Object, Pring, RegExp.
                                                                $ ( * P " ) . htm ( " . . . . " );
                                                                          La change artire content >
 · object :- emp = & id.101, home: "sucha"}
                                                           -> 3 layered architecture for Web Applications:
             var emp = new Object();
              emp. id = 101,
              emp name = "sruha";
                                                                            Lirouall
         function emp(id, name) {
                                                                             Proxy.
              the id;
                                                                           Lub sauces
             his . name . name;
                                                                                             Presentato layer
                                                                                              Burners heper
         e = new emp(103, "snehe");
```

Scanned with CamScanner

Ble loyer





```
ng-report: clones Himl elmos once for each item in a collection
                                                        - Add filters by using the pipe character 1, dellowed by filter.
clar ng-init = " names = ['Janes', 'kim', 'eller'] ">
                                                              fflastname | uppercase }}
                                                         -stillers to transform data:
        < 11 ng-repeat = "x in names ">
                                                              currency, lowercose, upper case, limit To, order By, date ...
                                                        -> Angular Is has builtin services like $location.
</div>
·directive: La new directives are created.
                                                                                        gives the usl of the page.
                                                         * thttp: - most commonly used services in Angular 35.
Es: <w3-test-dir> dw3-test-dir>
                                                           Lymates a request to server of let's ur apply handle the requ
         vax app = angular. module ("myApp", [3);
          app. dihective ("WaTest Dir", tunction() {
                                                          -> Stimeout service similar to window.set Timeout.
            return & template: " < h1> Hello!!! </h1>
                                                                                           window, set Interval.
                                                          -> $ interval
   escript>
                                                          19-DOM :- ng-hide, ng-show,
· ng-model: - adds/removes the fol. classes acco. to the status
                                                          events: - ng-click, ng-copy, ng-focus, ng-mouse move
 of the form field :-
                                                                waschools .com/angular/angular-events.asp.
-> ng-empty -> ng-valid -> ng-invalid...
                                                         sevent object contains the browser's event obj.
  chi ng.click = "changeDamol)">{EdirstName}}
                                                        -> angular-validation, asp in ws schools, org.
                                                         API: - Apply Pgm Interface.
  <script >
       upp .conholler ('my Ctrl', function ($500pe) }
                                                           Set of global TavaScript ons for performing
            Scope. first Name = " John";
                                                           common tasks.
           Ascope . changellame > Junction (1) }
                                                           Eg: - angular, lowercase()
           $scope. Lirstalam = "Harry";
                                                                  angular. is String()
     3);
                                                       twe can use w3, css together with Angular IS,
```