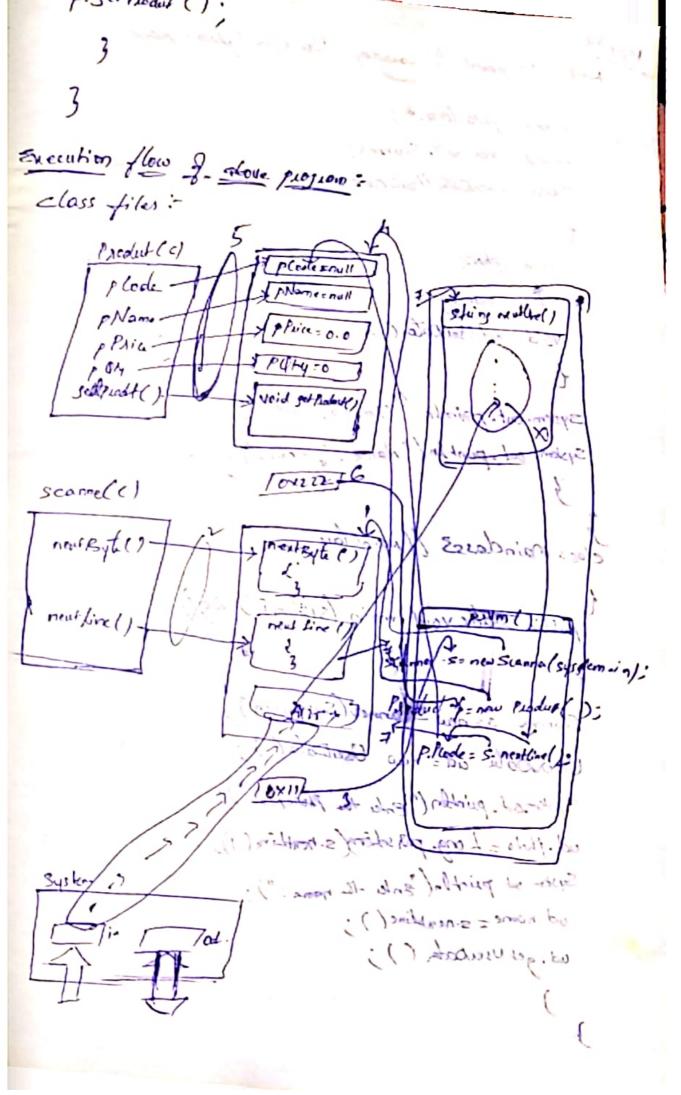
```
impolt
       12 Va. 600 . 4
       java. utll. Scanne
impo
class Psycholdy sut dan.
   sking plade, promos
   fleat phie;
   in pay,
    Word getprodel ()
system. out. Printla 1 " = = Produt Defic===
system. out - print In ( plate: " + produ)
System- act : print an ( "phane : " + phane)
system.out print en (place: +place).
System out - paint in ("paty: + paty)
class main classel/main classicon of the assimil
   public static Void main (sking () alg J)
Sconner S= new Sconner (System. in) 10 hope mind
Produt p- new Pacolud ():// Object acation
System. out. pint In ("enter - in plade")
p. Mode = s. realling () los Jamo from boy store
 System. out. paintson ("Ente -the place:");
 p. Plaice = s nort Float ();
  System. Oat. Purt In. ( Enk. - To popys)-
  P-Paly=5-newtrat ();
```



HAT I'T Read & display Usuate (phot plan. impost java. long. +; impost javo-util. Scames; class Usercate //suldars long photo: String name. void got escripator () =yskm. out. posintly ("Phone No: "+pholo) System: out . point In (Name: + mone) class maindases Musinclay public static void main (Sising [] asgs) Scarner 3= now Scanner (Syskin.in) User Date ud= has UsuData (). Systemant . printer ("Enter the Phone No: "); ud. pholo = Long. porsolon (s. markin (1); System but . println ("Enker - 16 nama:"); ud . nome = s nextline (). ud.get UserDate ();

Scanned by CamScanner

When we great String date after Numeric date from console inject. the String date win be skipped. This Disadvantage can be covercomed wing to fellowing methods. Method Signature public static lite parelate (ava-lang. String) s Thyte 6= Byt. pare Bite (s. next Lines)). public static short pare short java. lay string). | short si = short. pareshort (so neutline ()). public static int palsesont (jaub. lay. String) [int i = Ineger. paresent(s. nextine()). public statis long passelong (rava . law . String). Thong 1: Long. parchang (s. menthing ()). public static float godiffer Cava laig Shing). Syntay - float f= Float possetbat (5. next Line()). public States double porsexouth Cowa-lay Sving). Eynles (double de Double poorse Double (s. nerettine ()); rated () . -.

Assignment ! Update Mainclass 1. java program by Acading the date from console & Lichay to data. Melhods in Tava: =) Methods are the actions performed on the data in the process of generating suesult--) Then Hellad are categorized into two type: 1. Built - in Methods 2. User Defined Methods (1) Built - in Helluds + avail How a say Holy silver silver -) The method which are available from TavaLib classes and interface are known as Built in method, => Based on statu temporal builtin netters are categorised into too types. (1) Non-State Built in Hethads (i) State Built In Helhods. (i) Non- Static Built-to Hellands -1 -16 Buill-in Methods which and declared Without state beywood an busine as when state Built in Hethods, and hoofing land, who sides Empl next Line () next 2nt (1) (i) Stoutie Built-in Methods + I The built in Methods which was declare with static keyworld are known as static Built-in Methods Exp passe Int () parcelong () . ~.

Ose Defined Helleds;

I the methods which are defined by the programme are known as used defined methods. Eased on static heypoold the user defined methods are of two types. (i) Non-Static User Defined Methods.

(ii) Static user Defined Methods.

(i) Non-Statis Uses Defined Methods;

I the uses defined methods which are declared without statis beyond are binown as Non state

Usesdefined methods of Instante methods.

I then methods of ill the the memory within the object creation and second with the Object me

Structure of Instance: Hethod:

getwon_type method_name (paa_list)

[[method_body]]

1998 Define parameters.

corriers from one method to another Hethod.

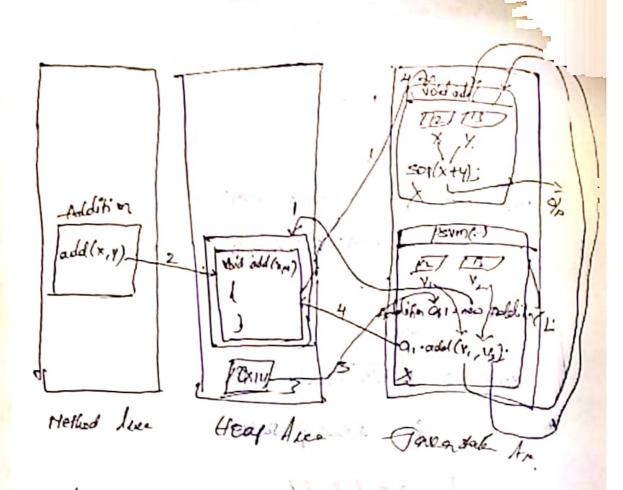
- into too types.
 - a) Methods without parameters
 - 6) Methods with parameters.

bad paromoleut worked which we declared without (sero) ale known as 0-parameter methods on methods without parameter. But above programy (Nain Class 1. java, main Clauz, java, maintous 3. java,) (Hethods with parameter; Ite methods which are declared with parameter are known as Methods parameterized method of methods with parameter. Ext Brains + WAP to suad two int values and perfoling 1-Mithmatie operation based on User charce? Notes 31 Me Values are queater than See Hun perform impost java. lang. " impost javo-util. Scannel. class Addition //subclema void add (int x, in/ y) Syskin. aut. printly ("Sum: +6+4)): class Subkartion //sub class void sub(int x, int y) is mound with parameters

```
Syctem. Out- puintln ( a sub: " +(x-4));
 class Multiplication 11 sub class
   woid mullint x , m+4)
  System. out. printle ("Mul:" - (xey));
  class Division/1915 class
     word div(int x, int y)
  System. out. pintle ("Div: +(floor) 2/4)-
 class Mod Division //subclass
   word modering x, in y)
 Syskm.out . punlla ("mod Dir:
class Main class // Mainchass
public static void poin (stim [ as) alogy) with
```

```
Scanner S= new Scanner (System , In ):
System.out. print In ("Enter the Yali;").
int VI = Interes - passe Int (s. next Line ());
 Syskmal parts ("Enter the vale: ").
  (at 12 = Integer forsecut (S-neut Line()).
      if (V120 $ & V220).
  Syskm. out. println( === duic=== );
   System. out point In
           ( 1. add. In 2. such smull h 4. div h smuloi
   System. out . print In (Enter the choice.)
   int choice = onteger. parte IN(S. nex Nine (1))
        Switch (choice)
           care 1:
  Addition al = new Addition ()
               aloadd (VIIV2) ill method cell
               Local ;
            care 2;
   Subteachin SI= new Subteachin ().
                S1. Sull V, , V2) . 11 methody
              6 real
               cour s
    Multipli calim_ mi = new Multiplication ():
                     mi-mullir Ve) s ( method all
```

Case H! pluision di = new pivision (); diedix (Vi, Vi) - //welled cont Break. care 5; Mod Division and = new Had Division); mid . mad DIV(U, , V.); f / Meked Call break; defaut : system. Out · printon "Invalie choice). 11 End of Swith & a End of id is musteled she hades to System aut print In! Invalid value ...) best to seelest part of While flow of above diagram ind optional parameters Class flor Addition class subhochm class Mulhplication-clas Division d. Cas my bear on bearing west you Mainclass 4. clan (4 ein Clan



hold the data coming from the consider I/p and pased as passanders while method all.

suched are declared part of method signature and wed in calculation process

and aformal posameters.

for execution are and semaining subclasses and not tack beached, in this process the leading time in sound part of execution process & generalis singlesses with response

mathele avoilable ophica & coses.

Behavior +

Officers and if any opin method with the swith-value then the Option is executed and the swith-care execution is stopped using break statement

option then the default in executed.

Alle a Endwish and also used in verification yearen.

Define Relater type

exembin & note.

-> Bared on getur type the nethods one categorised into

i) Non- netwo type nethods

(i) Action type methods.

execution are programs.

[Mainclass 1. Java, mainclas 2. java, Main class java, Mainclass. java,

Hete!
The methods which are declared with void an known as Non- section-type methods. (N Potun type Hethods: .) No methods which action the value cafter execution are known as geturn-type methods. =) We we "getwon" statement to getween the waln after enember. =) the achieved value will come back to the method scall. 520 Pied . WAT to display employee defails? 1. I end CEApage emphlome 2. Guard emples 3 deg mail be 2 characters (validation) =) desg must be in Ho SE, NE and ME (Verifically) 3 gred empId =) I'd must be 4 characters (validation) 2 II mail be in 600 SIII, 72222 M333 (Veriliaty) 4. af desy & id, validated and verified they mad bad. =) besoil must be min stoop (validation) 5. of 6501 is validated then calutal total. -tot Sal = 6501+ HRA +DA; HRA = 95% 9 65al DA = .63% 2 65al

new or land porty in

closs Empesychent // subla Lookan L. booler very ding dess) { switch (dess) can 'SE": k= +que; break ; can 'TE": k=dlue; con "ME": k =Hu. bunk: defaut : h = fabre; 3 1 Ead of Swift 1000 mi Sehun (k); Claus Euglid del Marbda boolean reif (sking id)

```
Switch (id)
       core " sill: 2 = Hu !
       can 17222 : 2 = + flows
      Great;
      can "MISI" . 2 = Hur .
     Lieak,
    default: 2 = false;
    I lend of Soith
 9efun(2);
doss empsalory //subclan
     float totsal;
      volt cal (int beat)
  tot-Sal = 659+ (0.95 + 6561) + 6.64 +6501),
      voll get ( not sal ( )
    systemped-puntla ("totsal" +totsal);
                          beclear gest (sin id
```

```
class Hainclass 5 // Mainclass
  public statu void main (String () args)
 Sconnes == new Sconner(System.in);
  system .out. print for ("taken the chane:").
  sking enlane = snext Line();
   System. out . peint & ("Enter the der; "):
    String e Desg = s. rent line ().
        if (cDesg. length (1==2)
     Emp Desg Check edc = new Emp Desg Check ();
      booleank = edc . verify (exeg. to Uppa Case ()).
          it (K)
                 - or total const folial
     System.out. puintin / Enke - he emptd: ");
     Sting edd= sinextline()
           il (ed tength ( ) == 4)
     EmpIdeheck ein = new EmpIdeheck ( ).
      Lodean Z = eic. verify (ed. +09per (are ());
      System.out. printle ("Enter de Leal;");
```

```
int to LEN = Enteger. passer (s-next line ()).
       if (LSal >= 5000)
 systemout print In ("Exprome:" + enome);
System. out - point on ("Emples ? + enes);
 System out peinth ( Emp 2d: " +EId)
System out . paid In ("Beal :"+ bSal) ...
Eursalay es = new Eary salary (1)
  es.cal(bsal);
 es.getnotsal();
system.out puntla ("Invalid Lal...");
   3 11 end 7 1/
   ele_
system. out-paintle (" say 2s do not suit !").
    3 4 ad 9 11.
hystem out purtly ("Invalic emped ..."):
   2 Wend of it
```

de and many the system out pintle ("Desy donot ewith. . .). 3 11 Eur 9 14 system out pirtla ("Thyalid des .. "); 17/12/19 Execution flow of above proft Couples Emperoback.com Engradued . clos. Empsalary. Class. Mainclans. dass Emp Desocheck verify (desy) 3 (stig desy) OXII Mellod Ise Heap Alex Tara Stack Som Scanned by CamScanner

Define Validation Process. - The process of checking the extered date is in collect format or not, is known as calidation process. Define Varification places. ? The process of checking the entered date is available & not is known as verification PLOCEN. WAT to perform Bank /monochion gueen. a. sead pinho =) pindo mus be 4 digits. (validation) =) pinho must be in 6/0 1111, 2222 bud 3233 (verification) 6. After pinto Validation and Verification, show -run following options. 1. WithDraw 2. Deposit. 1. Withdraws. =) Enter 16 amount in "int : I The ant must be greater thousers and multiples of 100, if not display the my as invalid and If the compant in valid then perform to withdraw operation wing method. =) (Sefore performing operation sheek the and in lon Man 2000 L of jot, if not display to my an unrealficient fund. 1100/100/ Marked 1160

Closenhut Withdraw > void wDiaw (lot and). 2. Deposit 1 =) Read the amount in " int" 5 - The most be greater - has seen and multiples & 100, if not display the miss as Invalid and a) Of the amount is valid thin perfor deposit Epication ais rettod. Class Neme: Deposit => cloid deposit (int amth do: withdra + - AMT WithDeawn + =) Bal Ami? => (7,00 sockim Competer) Deposit = Amt Deposited-- Bal Antina in la ser and

Clambon: sincheck

clambon: sincheck

socieon to

boolean Verify (int pinnla)

Thit. Venkatsh@gmail.com.)

Class (Sulclass) generally Multiple 27 -) The class can generate any number of Objects. without Dustrickens. -) - the multiple objects which are openerated from the class are independent by their memory Cocation on Heaptrea. =) The modification done in one object will not effect suraining multiple Objects. Emp! Program ! closes Display A Sal class int k=10; (Montone Variable. (bid dis() (Entlance method System out. print In (The val. k: +k); class Mainclases // wain class public stolic void main (Strings) alggi Display di= new Display (); //pbjot /

Display de = new Display (1; //objet 2 di.dis(); //method call de dis(); //method call g