ASSIGNMENT

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192311009 Assignment 2 Inhoritance V. Aadharsh Vishal Single inhoritance. 0/P= Child class Practient class. class A & public Void dige () { System.out. println ("Povent Class A"); Class B extends A & Public void disp1() ? System.out-println ("child class"); public class Main &. Rublic Static Void main (Storing [] angs) f. b. obj - new b (); dy disk ((); 2 obj. disp (); 3. Multiclevel inhoritance : Class a 3. public Void disp() E. System, out . println ("Parent Jass A'),

```
Ayetem at pointle ("dild dass A");
                                                019: Posent abus A
                                                    child class 3
class bestends a f.
                                                    child class c.
   public void disk 1 () f.
     System.out. printer ("child class B");
class cartends bg.
       public & void disk 2() (

System out-privaler ( "child close (");
 public class Main &.
         public static void main (string[] orgs).
            c di = new (1);
             obj. disp();
             Obj. disp(1);
             obj. disp 2();
   Heiranchical;
     class a &
      3 system out. println (* Parent class A");
  class b estends a .
          system out prindln (" child class B");
```

```
class c extends . a &.
                                                       019 Posent class A
                                                              child clause
       2 dystem out paintle ("child classe");
                                                              Podent class A
                                                              child Class 3.
 public class Mains.
       public Static void main (Staing [ Jargs) &
          c obj = new c();
bobj ( = new b();
   Hylorid Thhoritance.
    Class af
        public void dispA() {.
        System.out. println(" class A");
     Class b extends a f
           kublic void disp B() f.
             3 dystem.out. println (" class B");
      class (extends b f,
         public soid disk (1) &
        system at printer ("class c");
       does Dextends b f.

public soid disk of () f.

System.out. perintln (" closes D");
```

class Main &

```
public static Void main (String [] dogs) ?
          C ety = view ( ();
           Olj dispA();
           obj. disp 3();
           obj. disp (1);
           Debil - new ) ();
           edj. dip A();
           obj. dis (3();
          dij disk D();
 OPF class A
      class B
      Classe
      Class A
      Class B
      class D.
Multiple inhoritance.
 interface A f.
   int a zloj
 2. Void disk A(1);
 interface B.
  int b=5 j
void disk B();
class c implement ABE
   int (= 15)
   public word disper A() &
           system. ow println ("a= (+a);
  public void disk B() {.
      s. System out porrotler ("b= "+b)."
```

895 public void disp c()7. g. System. out-printle ("c="+c); Void process () { 3. 3 classia &. public state Void main (string () args) c obj = new cl); obj-disp Al); oly dispal; . obj. disk (1); & dis disp (); 017= a=10 a+6+ C= 30

Exception handling Arithmetic Exception Rublic Class Main & Public static Void main (string[] args) ? ly 0=5 1p=0; 0/P. Aprithmetic expression to / Suy yero System.out. paintle (a/b); Cotch CArythmetic (Expression e) of dystem. out. plintle ("Divide byo"), Averay Dut of Bound Exception. 01P - Aforay Index Out of Bounds Exception public class Main & public static Void main (String [Johgs] ?. int al 7 = \$1,2,33; System. out. printly (a [10]); catch (Avray Snotes: Out of Bounds Exception e) f. dystem. Fut, println ("Avray Index out of Bourds Exception:"

* e. get Message())

01P: Advithmatic Exception finally-This is the finally block class main &. public actatic void main (storing [] origs) & inta = 50/0;

Bystem. out. plintln("Those is no Essons in thy black") Coutch (Asirhanetic Exception of f.

System-out. println ("Now thatic Exception =)" + e-get nessage()) Finally &. 3 system out pointln (" This is the finally block "); 017- fest. txt (No such file or dictionaly) 2/0/exception import. java. iv. +; class Main 9. public static Void main (stoing I I angs) {. File . new file = now file (" + ast - txt"); file Input Stream: new file Input Stream (vew file); contch (IO Exception e) f. dystem-outipaintle (e.get Messagel);

class Not Found Exception: public class Main & : pulper static North man (Italian angle []) ? tomos catch (class Not found Exception c) & classifor Name ("A"); e print stack Trace (); 019- Class Not found Exception.