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ASSEGNMENT-2
Java-CSA0185 192365007
```

```
Inhou fance.
  - Single
  -> multiple
  -> multileval
  -> heirarchical
  9 hybrid
Single Enhoustance!
  class As
         35 JA 226 690V
            System. out. printin("A"); ???
   class B extends A {
          roid des Brox
           System. out. prantin("B"); 33
    class Test ?
        public Statific void main (String [] args)
                Bobj = now B();
                   obs. des A ();
                   OB. LESBLD', 33
     output:
   multilevel Prihoritance:
         class A &
               rold Tes be ) &
                   Egstem, out. pri Hn("A"):33
```

class is extended A 2

```
1019 9881 DE
              system out partly ("B"); 33
      class c extender BS
            7092 Lion
             System. ord. paintln ("c"); 33
      class main q
            public static void main (String() ange) [
                  c d = new (0)
                     d. desA ();
                     d. disBcs;
                     d. dis(c); 33
      Old put
        B
He erarchy
    class Ad
        Vold desAC) &
             Sgstem. out. prost(n("A"); 37
    class B extenda A?
           word disbost
              System. out. prentin ("B")", 33
     class c extends · C C ) of
            void discort
                System out prendin ("c"); ??
     class moins
            public states void main (Strings I alge) ?
                cd=new();
                       d. des (C);
d. des A (); 2;3
```

```
odeut:
multiple:
     class A f
          ent a:
          AC) f
           vood DPS play A (){
```

System. out, prontln (a); 33 interface Bé

a = 5; 3

9nt b=10; Void display B(); class c extends A implemends Be entc',

cc) { c=15; } public void display B() [ System. sed printh (bi,); 3 public word des play coré sgeten out printin (c); 33

class mainf public state war (Stringe ) args) ( c d = new((); 1. Lisplay ACS: d. desplay B()

d. display (C);33

out put:

class c extends & {

Void disc() of

System.out.pastin();}

Except from Handling! -

class not found except Pon.

public class main &

public Static Void Main (String C] args) {

try {

class. for name ("A"); 3

catch (class not Found Exception e) [
e. point Stack Trace(); 33

Arêtametic exception:

public class mains

public static void main(string[] args){

try[

int a = 100;

System. out. pantin("code in toy");

3

catch (ArithmeticExoption e) {

System.out.pointlh(" Error");}]

Array Index out of Bound Except Pon:

class mainé
public Static word main (String C) arge) {

try {

ent all={ 1,2,33; system.oed.prentln(al4]); }

catch (Array Index Out of Bound Exception e)[

Sgstem. out. prontln (" +. e. get message (1); }]

No Souch method: -

class Mains

public static boid main (stringe I orgs) {

try {

method That Does not Exister; }

catch (No Such Method Exception e) {

System. out. println ("caught No such method

Exception: "te.got message (s); }}

: Illegal Argument Exception!

class main {
? it age;
Public Vo? a Age (?nt age) {

P+ (age 218) q thrown new Illogal Argument Exception. ("Age must be greater than 18"); 3 else f the age - age System out printin l'age = tinge), public static void main (string c z args) { pordon p-now pordon(); try f perdon. Set page (15);3 ( atch (Illgal Argument Exceptione) }