ASSIGNMENT (B)

Mowth reddy
192311069
CSAOSS 2

Java. whatin heritance the types and describe inheritances. Inheritance : -The method to Create a hierarchy blow classes by inheriting from other . Classes. There are 5 types of Inheritance. 1. Single · inheritance 2. Multilevel inheritance Multiple inheritance Hieraclial inheritance Hybrid inheritance in blu's Multiple inheritance does not Support in Java to avercome weuse · interface. inheritance:--Single class A { int a! Void display ou ? system. Out. printing "as "+a); class B entands A ? int- 63 Void display B() & system out print ("b="+6); Public class Single inheritance Enample ? Public static Void main (string () args) { B obj = new B(); obj a : 80;

06 1 6 = 30;

obj : display nos;

obj : display B();

a = 20. b = 30

```
Multilevel interitance
Class A &
     Public Void display 1 () {
    3 System. Out. println: ("Inside display A");
      class B entends AS
         Public Broid display B() {
      System oout. printen l'inside display B");
       Class · C entands B&
          Rublic Void display BC) &
          System. out. println (" Inside display (");
         Public class main ?
          Public static · Void main (string [ Jargs) &
              Cobj = new (C);
              obj; display ACD;
              Obj; display BL);
              Obj; display (L);
          4.
  Outpul:-
       This animal leats Food
          The dog barks
        This animal ears Food.
        The Cat meows.
Multiple inheritance
     class A &
          method nc) {
    System. Out. print("method . From class A");
    Interface B &
         Void method BCD;
         Paterface & &
```

```
Void method cc);
 Class B entends - 1 implements B, c &
        Public Void method BC) &
 System. out. print. In ("Method From interface "");
 4
           Void methodels ?
   Public
   System. out- printen ("method from interface c");
 3
    Public · class · mustiple inheritance Enample &
                              main (string[]angs) {
       Public · Static
                       Word
           o obj = newoco;
           Obj : method Ac);
           Obj: method B();
           obj: method w;
   Output :-
      Method from class A
      Method from interface B
      method from interface (.
Hybrid Inheritance:
   class GrandFather. {
      Public · Void display show acit
  System. out printer ("the is grandfather");
   class father entends · Grand tather ?
        Public Void Show FC) ?
   System. Out. println ("Heis Father");
    class Son entend's Father ?
      Public Void . show sc) ?
     System. out. printen (" He is Son');
```

Public · class · Daughter entends · father {
Public · Void Show D 10 {

System. out. printen ("she is daughter");
}.

Public · Static · Void marn · (string angs £7) {

Son Obj = new Son ();

Obj · Shows ();

Obj · Showf ();

Obj · Showf ();

Obj · Showf ();

Obj · Showf ();

Section of the sectio

en i include de come de la come d

tary to the state of the state

Production of Land

is but to be year

solvention of the in a property of

galle though should water the soll

red - i - 11 % itt may had will

Section than a since

the state of the passage