```
C. Granendra
java
            55 ignment-4 192211158
  Simple Inheritance:
  class animal &
     string name 3
      void make sound () 5
  systemout. printing "Animal makes a
                          sound, ].
    class bog extends Animal &
        @ 01621196
       void make sound ();
      sy stem. out . printin("The dog barks")
           : 97 rotiredar 19velitonee:
   Public class main {
   Public. Static void main (string [] ang s) [
    bod 908 = NEW DOGCS.
     dog, make sound 12.
          9141946 374196
  constructer Inheritance
  Class Persone
   string name; and to make
    int ages
   person (string name, intage)
     this name = name 3
     this age = age
```

class studant extends persons string grade student (string name, intage, string grage) { super (name, age); this grade = grade. on void display() ? Student student = nen . staden t (" John", 20, "A"). 000000 (B) student 412 blad (). Trong top out During 100 motors Multilevel Inheritance: class. Ne piccle & int speed. string suel type? relicie (int speed, string suel Type) { This speed = speed; this suel type = fuel type: class car extends vehicles int number of poors; car. (int speed & string fuel type int moumber of Doors); super (speed, fuel Type)

```
public main (
Public static void main ( string ( ) args):
electinicion electric con = nem
Electric .con. (120, " Electric", 4,88);
electric display properties();
Method overviding in Inheritance
 Class shape &
 Noid drawc)E 3C) worb. bion.
 system.out.printin("Oxoming a shape")
 class. circle. extends. shapes
     @overside of overside
    roig gran col
 EARFEW = OAF. BriNfin (, Drawind a circle).
          War & Manager Manager
 Public class main &
 public. static. void main (strigge [] args);
   shape circle = new · circle ();
   Circle, gran ().
```

Inheritance and Access. Modifiers: TOTAL THE class Employeef Private string private Field = brotected string brotected Eielg = W brotected . public. string. public. Field = " public. class manage v extends Emploge CLOSS SHAPE void display field 19 3 system. out. printin (private field) public. class. Main & f public. static. void main Cetrine [] cappe [] enirtes THE BERTHURGEN TO 11x1-100 mals Manager manager = new Manager(). Miem Bens July manager. display frelds (). Legal Marie Shirt agons \*() KADA P. OLIKA