```
Week 8
shopes
(ode:
  import java utilisanner;
   abstract does Shapes !
           jul le;
          abstract void print Aren (1)
          Kertanyle extends Shopes &
              System. out println (" Aren of Kentungh! "+ a * 1);
            void printpre ()
     doss Circle extends Shipes?
              system. out-println ("Arren q Circle: "+3-14" a ra);
            void print Area (1
      Mers Triangle extends Shapes (
              System-out-printle ("Arren of Triangle: "+0.5 x ax b);
             void print Aren ()
       public does Shopesthair ?
            public shite void main (String args [7)
```

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Scanner (System.in);
Restargle 91 = new Restargle ();
arule (= new Circle (1;
Aniangle t = new Thiangle ();
                                                 H. LINE AND
int Juck = 1, Iwolce;
while ( check == 1)
E system. out printly ("Enter durce: (n1) Rectanglez) (inde (n3)
                      Triangle in w Exit");
   choice = sc. next[nt();
  switch (choice)
           Syskm. aut. perintla ("Enter length & breadth:");
            gr. a = Sc. nextInt();
            M. b = sc. next Intl);
            n. print Areal);
           System. out. printh ("Enter sundius q (circle:");
            (.a = sc.next [utl);
            System.out. pointle ("Enter height & bore:");
            t.a= sc.nextInt();
            t. a :
t.b = sc. next Int();
             t. print Aren ();
  default : heck = 0;
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Week 8
 Bank:
importjava util Scenner;
import java lang. Moth;
closs Account (
     String name
     Int all rum;
     int type i
     double belong = 0;
    vaid accept_deposit ()
    ( Sanner Sc=new Scunner (System.in)
       System out printly ("Enter amount to be deposited");
        float depoi
        depo = sc. next Floot ();
        blance = blance + depo ;
     void withdrawl)
            Scanner SC= new Scanner (System.in)
           System out printly (" Enter amount to witholiner");
           floot wid "
            wd = sc.nextFloat Di
            boluna = bolonic - wid ;
     void jethata ()
          Sciences SC = new Sciences (System.in)
          System.out. printh (" Enter name of customer: ");
          System. out possenth ("Enter Haound Number: ");
          System. out. Printly ("Press 1 for Savings account in Press 2 for
          type = Sc. nestInt(); (wort Account ');
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dus Savings - acc extends Account ?
      void calc_ci (flowt)
      double 91 = 0.05;
        jut n: 12;
        double temp = balance;
        bolone = bolone * Math. pow ((1+9/n), n > t);
        System. out. printh (" (I alded: " + (bolance - temp));
     void display ()
      System. out - privilla (" Balune : ", balance);
dus Curr-acc extends Account (
     void whe - penalty ()
     2 blune = blune - 500; }
      void display()
            System. out. printly ("Balone: " + bolina); }
           16 (popul > 2000)
             System. out. prijuth ("Your account does not have minimum
            else
           bulonce 9 915 5000, hence penelly re 500 is bely duryd");
            System. out. printh ("Balance: " + behner);
       public shir void mir (Strung arys[])
 public des pank?
```

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Samer sc = new Scanner (system. 14);
   Account a = new Account(1)
  Curri-acc (a = new Curri-ac())
  Savings_acc 5 : new Savings_accll.
 a- get Data ();
sut (, dura;
 floor ti
  c = a. type i
 il ( (==1)
 { while ( (==1)
          System. out. perintln ('Enter code of your charce of with
          : (n1) View Balance 2) Deposit Amount (n3) withdraw
         in 41 Exit");
          Choia = sc. next Int ();
          suitch ( choin)
           core 1: System.out. printle ("Enter the number of years
                   after which blunce is being checked; ");
                    t = sc. next Flout 1);
                    s. culu_ ei (t) i
                    s. display (),
                    breck.
           use 2: s. accept deposit (1; brent;
           was: S. withdraw (7; break;
           dejoult: C=0;
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System. at printh ("Enter code: (n) View Bulune (n 2) Deposit

(n3) Withdraw (n4) Exit");

duite: sc.new Int();

dwitch (dwie)

(axe): ca. duply(); breek;

coxe 2: ca. accept - deposit(); breek;

coxe 3: ca. withdraw (); breek;

lefoult: (=0;

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