30) define a method to return of the sum of square of digits?

39) define a method to return product of digits?

39) define a method to print how many even is odd digits present to have many even in odd digits present in the number?

in the number?

The number?

The number?

The number?

The number?

```
38) Define a method to return the sum of square of digits?
       import java. util. scarner;
                          class Square
       PSUM()
          scanner sc: new scarner (system.in);
          int n = se. hextzut(); s.o.p ("enter the number:");
          s. 0 & ( south) j
           s. o.p (sams); sop ("valuesog"+n+"is"+s);
    ints = get values (n);
      static getvalues (int n)
                                int sum=0;
        int sum=0, 0=1;
                               while (n!=0)
         while ( a 4/2h)
                               int d= 17-10;
          sym= sum+ (a * a);
                                                     i.e) 32+42+52
                                  sum = sum + (dtd);
                                 n=n/10;
                                   seturn sum;
           seturn sun;
                                  product of digits? (528
                      to seturn
39) Define a method
                                                    5 X2X 8=80
   class product-
                                       out econic = a dumb=
   1 PSUM ()
       seanner sc: new scanner ( system. in);
        s.o.p (" enter or number:");
        int h= sc. hext znt ();
        int product = find product(n);
        S.O.P (" Product of digit: "+ Product) of n +" is
```

```
Static int find Product (int h)
       int product -- 1;
      while (100) (11=0)
       product = n-1.10; int d=n-1.10;
                                            ans: 80
                       product = product # d
                                          [s.e) 5×2×8=80
                         n= n/10j
          return product;
40) Define a method to print how many even & odd digits
 present in the number?
   class oddruen
  () parm ()
    1 scanner sc:new scanner (system. in);
     S.O.P ("enter the number:");
     int n=sc. new Int();
    point count (n);
I static void print count (int n)
   int ecount=0, dcount=0;
                                                  HULLIN LUB
    white (ht=0)
 do 1 int d=h-/-10;
     if (d.)-2==0)
                             (" continue of with ") 9.0.0
       e court ttj
     else downt ++;
    h= n/10; J while (n! 50);
    S.O.P (" The wal no. even digit is: "+ ecourt);
    S.O.P [" The Estal no. even digit is: " +d count); 4
```

```
(1) define a method to relive howmany prime digits present in
the number?
                                         1.4-01 18 58
  class Prime
  h pswm()
   scanner sc: new scanner (systerian);
   S.O.P (" enter the values");
    int num: sc.next Int();
into= method (n); sop ("The prime digit" + n+" is" + P);
  I static int method (int num)
    int count = 0;
    while (num > 0)
     int n: num./-10
     if (no = = 1 11 no == 311 no == 511 no == 7)
          como court ++;
42) Define a method to return the reverse of the number?
         clas Reverse
          () mveq
            scarner sc=new scarner (system. in);
            3.0.P(" enter the number:");
             int h=sc. next Int();
            int rd= reverse sigit(h);
s.o.p (" Reverse digit" + n+" is "+ rd)
            static int reveregit (intr)
              int reo
               while (n!=0)
```

```
int d: n:/.10;
       8= 8# 10+d;
       n=n/10;
                                                (Inweg)
       return Y;
                              Thinks of was some of tenning
                                  ("Esser 144 Min) " ) 9.0.2
1/22
3) Define a method to seturn true y the number is Palindrome
                                   ing man screek total
  otherwise false?
 clais palindrone
                                        apple (nums)
    PSUM () MURA
     Scanner sc= new scanner (systemin);
     sop( " enter the number:");
      int n = sc.next Tut()
      boolean rs= is Palindrome (n);
      if (15:=brue)
       sop("no.is palindrome");
         sop ("no is not palindrome");
      ele
                           Color Seek 35: My
      static boolean is palindrime (intin)
                           co.p (" nagane") (.o.a
      1 int rev=0, temp=n; ) topo the silver
       do h
            int d= n-1.10;
            YEN = YENK 10+d;
```

```
n= n/10;
                                     Order promises andred adole
            I while (n!=9;
                                       (h ha) had but districtly
           Illian I'm== remb.
                                        y the number is strong
4) Define a method to return vive
 number otherwise ralse?
                                          by I tool wal
   class strong Number
    () mueg
      & carrier sc= new scarrer ( System.in);
        ist sop ("enter the mumber:");
                                      worth bottom o smiled returns
          int n = next ent ();
           boolean sn= isstoring (h);
           if (sum = = true)
                                                    would suit
             SOP ("The number of "the t" is palindrome");
            else sop ( "The number of "+ n+" is not palindrome").
           static boolean is strong (int h)
         1 int sum=0, temp=h;
            while (n!=0) ((h)) roung + rune pour
           1 int d= n./-10;
             sum = sum + fact (d);
                                    HALL = MINE WITH
                h= h/10;
               xeturn sun: = temp;
```

```
12: 12/15;
    static booler is string (int d)
                                          J. white (11 : 9;
       Static int fact (int d)
                                        Jones = : May probably
       int fact = 15
         while (d >1)
                            regar a method is entire I was
        h fact = fact & d;
                                          when appropriate later
                                          eases afforeign Number
           d--;
         seturn fact;
                                                    (1) solvey!
                           (dimens stands seems (stands)
45) Define a method totuour "brue" y nois avanatrong no
                                   int w = vallegat ();
otherwise return palse?
                             housen sus assumption)
   class Armstrong
                                       (sure = mute) hi
     static boolean is Armstrong (int X)
                              of he wanted of
    1 int sum= 0, temp= x;
      int de=court Digit (x); man parte ei mail contribute
      do
        1 int d= sc/. 19;
                                 N= amos, 0= mus this?
        sum = sum + power (d, de);
                                   (0= 1 m) stide
         30 - 20/10;
                                        1 set do 4-10;
       I while (>e!=0);
                                  sum = sunt fact (4);
          xeturn sum = = temp;
                                         the wife;
```

Short County, CARRIES,

```
static but countaget (int 11)
A wint court = 0 journer and more monder in I had some in a whale
    do not a reduced and proper analysis of bentan the series (8)
      count ++;
                                  madely medical self-orthograms
     n=h/10;
                      apprecian product of hardward stripes.
  I while (n!=0);
                   Signie of method to return the wife.
   setwin count;
static int power (int n, int P)
  int pw=1
   while (P>9)
   1 pw=pwan;
   return pw;
  () mueg
            s = new scarrer (system.in);
     300
```



67) Define a method to return true the number is happy number

48) Define a method to between xytem the number is xylen otherwise return phloem.

49) Define a method to setwon average of digits of

50) Define a method to return the diff. 6hi biggest is smallest

very seemen (cystem.in);

digit.

satie int power (int n) with ()

(e<g) eliva

() mrzg