ASSECTION AL A (DG) ITABLE CAST Sum of national num class main & public state vold main (storing () 4) 99) h Int sum= 0 for (= 0: 1 × 100; 3+11) \$ y Sum = Sum + P System and pointly (sum) check the num's posime clas Main o public Static Void ment I triling [7, arings] of ent a for ci=o; sk=n ! fall) h 34 (01 1) = = 0) b system. out point in aprilled elie system out, porinella (not) To fend factorial llan Main b public State Void main (Strikg 17, ay) int of fact = 1. for(1=0) idni 1+1) b fact = fact & P system, out, potentla (fait) and only by

filonacci series. class Mais & public state void mala (string [] ag int a=0 int b=1; int c, n; C = a+b; c=a; a = b' System. out pounds (C); Check the simily willing Recove a number orco: clan main of public Static void main (String L7, augs) inta, b, ged; 26 (b==0) of yellurna return gcdCb, a%b); Ent num 1 = 30, num 2 = 20 ind present = gcd (num 1, numa) system. out. pountla (sosult); LCM of two nam public class Main of public stalie ent ged centa, int b) 5 4 (b==0) of y retruna; return ged eb, a'1.b).

```
public = stalle int (em circla, ent b)of
            retrun (a+b) / ged (a,b);
     public Static void man (stoing LJ, 00195) of
             int num 1=12 num 2=15
             int result = (com (num1, numa);
             System. out. println (oursult);
      porfect number
 (81
               public statie void ( string 67, augs)
        class Main of
                   long * n, sum = 0;
                   Ent 1=1',
while (9 x= n/2)
                  of th custo 1 = = 0)
                  1 Sum = Sum +1;
                 y 1++ 1,000 == 1
                  26 ( Sum = = 0)
                   d system out pointly ("parfect")
                   system out pointin ("nat");
      class Main of
(9)
         public static void main (storing L7, augs) d
               int remoo sum=0; int num;
             while ( num 70)
                     nem = num/010;
                      Sum = Sum + ( yem & sum);
                      num (=10;
```

```
bed to study no the stude
    reducin sum;
   of covernet ==1)
    System. out. println ( "happy number");
   else system. Ont. printer ( "not happy number.
    sum of odd numbors.
     class main of
        public Static main ( string LT, augs) of
          int 1 , sum =0;
          int n;
          for (1=1; 12=n;1+=2) 5
              ¥ (37.4==1)
                 Sum = Sum +1;
              else Sum = Sum - 1;
 y system out pounter (sum);
 per state void prium (storing 12) and
ECOSEDI SUMEU GLE MUM
```

come i sum + C som a down

80)

"((a) jest.) adraneg ino, and class Main () public state void main (String 17 aggs)) ine n, sum, "; while cn>0): 8 = 97.10; Sum = Sum + (x - x , x); 30110; 4 (n = = sum) of system, out printh (amstrong) else system. out printer (not); number distrible by s and ? Sum of digit. class Main of public state vad main (string [] augs) of Extin, sum, 8: winde (n70) of n=nº/010; · C sum = sum + r; 3 system. out. println (sum); I gnare root! imposet java. util. clas Main of

Public Static void man (string[], arg

9)

system. out pointle (Sqot(n)); Leap years: class Main of public statie void main (strung [], args) of 1 f (no 184 = = 0) 9 System. out pountly (leap year); ein: system. out. printlin (not); number divisible by s and 7. class Main of public static void mais [string 17, augs) d & (nº105==0 and if nº10+==0) d. System out. printer C'diersible') else: system out pountln ("not"); Cony? alting the morph Jook mones

class Main of

```
Delimal to binary:
     class main of
           public static void main ( thing ( ), 00195) of
        int decimal= 45;
     string binary = decimal to binary (decimal);
system out printen (binary);
     Binary to decimal;
(3)
        class mais of
   publie statievoid main (stowng [], augs) of
            string blnary = 10010";
             int decimal = binary to decimal
           System. out println (decimal):
                                     (blowing);
    calclus to fahrentie:
     clan Main h
           public static vold mais (storing [], args) d
double Celeius = 20.0
               double fahrenhit = ( celcins * 1.8) + 32
System, out, prientre ( colclus +" in equ
                            to "+ fabourhit+
 r + GI % DURGOUSE & LAUND W
```

```
(5)
    fahrenhid to collins.
      clan main of
          public statie void main ( storing 1), augs) of
           double fahrenhit = 68.0',
           double celleurs: (fabrentit - 327 0.556;
           System. out. pointln Chahrenhit +"
                            finequal to"+
                               (elclus + "c");
16)
    GCD to num: Reverse a number!
     Class Mais of
         public static main ( strung [], arys) of
           the reversed = 0, original, o, u'
   while (n70) of
                0929 (1.10) . reneared x 10+1.
                   n=n/103
                4 Corligion == reversed of
                   System. out println ( rover num);
   partie static void mais ( sloving [], and
   Can Main of
           public static void main ( storing 17, wys).
                 ine reversed =0, Osliginal, v.n.
" + feller mith
                 while (170) of
                        2 = U,1.10
                       Original = reversed + 10 + Y
                        U = 10.
```