Siva chaitanya 10/07/24 Java programming Assignment -1 1 Sum of natural num up to N. import Java. util. *: The state of the s class sum f public static void main (string ar []) { Scanney sc = new scanner (system. in); indimin to Donat - 64 ent n=sc. next int(); in sum = 0' for (int "=1; iz=n; i++) { (in final) main I me solds allow sum = sumti! system. out. println ("sum is: "+sum); in ton Jose output = Sum = 55 Input: n=10 prime number: Import Java . util . * ; class prime { public static void main (string args[]) { scanner sc = new scanner (system.in); ent n=sc next int(); int count = 0; for (int i=1; izn: i++){ if (n./. i = = 0) { count ++;

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if (count = = 2) {
system. out. print ("prime"):13
"system. out. prime ("composite");
                 output: prime.
Input: n=3
Factorial of number:
class factorial {
public static void main (string args[]) {
 int n=6:
  int fact =1;
for [ int ?=1 : i==n:i++) {
  fact = fact * i;
system out print (fact):
Output = 720.
Reverse of a Number:
 class Reverse_of_number {
 public static void main (string args []) {
    int rev=0
    while (n>0) {
```

; = n.1.10.

```
reu = rev + 10 + 1;
                                             通知 一 当实
   n= n/10;
 system. out. printo ("Rev rum": +rev);
 Output = 143.
                        general Ar Johnst Joshon Wall
  Armstrong number
                         to independ that the stable
  class Armstrong &
 public void static main (string args []) {
                                Compading the melys
  int n=153
  int temp = n;
  while (n>o){
                                 mortin Prog . Amply
  9=n1.10;
                                     of suns of digits:
  sum = sum+i+i;
                          to direct to much some
   n=n/10;
                          portet num diav silete
                   I. Paper
  if (sum = =temp) {
 system. out . print ("Armstrong").
  else
   system out point ("Not an Armstrong").
6) palindrome:
   class palindrome (
        static void main (string args[]) {
```

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int n= 12321;
            int rev=0
         while ( n>0) {
              := n'/ 10;
           sum += 1 * 4 9 * 1 ;
             n=n/10;
     12 / ( som) = = 19m4) { if (rev==n) {
 system lout. print ( system out print ("palindrom.")
     clse S
  system.out.printn("Nope")
  output = palindrome.
  sum of digits :
     class sum of digits &
     public static void main (dring args[]) {
  Pn+ n=123;
  int som = 0;
                 while (0>0) $
                                                                                                                                                      The same of the sa
                     1= 11/10;
                       sum = sumtil
                          n=n/10;
System. out. print ("The sum is" + sum):
   output = 6
```

014

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Divisible by 5 and 7 :-
                             other and from in
class divisibility {
public static void main (string argic)?
int n=100;
 for (int ==1; i == n; i++) {
 it (i.1.5 = = 0 & i x 7 = = 8 {
                                  10-11.
  system.out.printn(i):
                                    1 - 1 - 10075
     11111
output: 35, 70.
                                    is I mos ()
perfect number
                          chemical. Printer Person
                            2 - Inling to art
 class perfect &
public static void main (string args []) {
  int n=10; esum =0, osum=0;
                               116 Load Acas:
                             1 mol most resist
  int sum = 0;
                 the triple month on all the orlang
  int n = 28;
                           in the army of the
  int 0=0;
 for (int 1=1; izh; i)++)2
  if (n:1. i ==0){
                                  perfect
  sum = sumtij
 14 (sum ==0)<
sy stem = out. print () ("pertect").
  system out print ("nope");
```

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Films & primar
10 Sum of even-odd:
  class sum of even-odd {
  public static void main (string args[]) {
   int n=10; esum=0, 0 sum=0;
   for (int ?=1: i=n > i++) {
    it (i1.2=0)
                                      il a standay
   esum + = 1;
                                          Output
                                           esum = 30
   else S
   Osum + =i
                                        10 Sum = 25
  system. out. printo ('esum:" + esum).
                                        radinuri tool-ray p
  system.out. printn ("osum:"+ Osum).
                 Ble of party of the state
  Leap year:
  class leap year {
  public static void main (string args []) }
   int year = 2024;
 if (year 1.4 == 0 11 year 1.400 == 0 & year 1.100! == 0) {
  system. out. printn ("Leap year")
  eue E
  system · out · printn (Not ump year"):
  Output = Leap year
```

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Even or odds &
   class Even-odd {
    public static void main (thing args[]){
        ent n=400;
     if (n/. 2 == 0) {
     system.out.printn ("Even");
                                                                                                                                                          Steven Stone
                                                                                                                                                      mil no man
      system.out.pointn ("opp");
                                                                                                                                                                 1 1 1 1 1 1 1 1 1 1 1
                                                                                                                                                         with And And
  output = Even.
GCD and LCM:
                                                                                                                                                 foot i mis
  class GCD - LCM?

public static void main (string args []) {

publ
  class GCD - LCM {
     ent a=2;
    int b = 4-
                                                                                                                Si ( other man to continue
     int -lemp;
while (b>0) {
                                                                                                   Jordania Onthol :
           Hamp -b;
                 b=a1.6
                  a: Hemp:
                                                                                                                                                        GCD112- 2111)
                                                                                                   in I down to Low : 19 and
int. ged = a;
  int Lem = (arb) /9cd;
                                                                                                                                                                                            elo d
   system out printn ("GCD" - gcd):
   system, out, printh ("Lem"+ Lem);
```

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strong number
 class strong number &
 public static void main (string args []) {
 int n=145;
 ent sum=0; rem: fact;
  int temp=n;
                           ( mas ) ratained the mails
chile (nxo) {
   rem = n'/. 10;
   fact=1
                              non distance of the limited
  for (i=1; iz=n; i++){
   fact = fact +i;
 Sum = Sum + fact;
                                      is god and tons.
  n=n/10;
                                Output: strong not
if (sum = = temp) {
                           1711200
                                       odalig
system-out , print ("strong"); }
else {
system-out-print (No"): }}
                                        3(00)
Celcius to farienheat:
class Temp {
public static void main (string args []) {
double celsius = 390;
double fahrenheit = (seleius + a/r) +32;
system · out · print (to hreneit):1
                               Output = 102.2
```

frienheit to celaius: class temp { public static void main (string arge []) { double fahrenheit = 102.2; double clecius = (fahrein heit -32) * 5/9; system.out · print (celsius); amount 3. To product to A Output : 39.0 Binary to Decimal: class Binary - Decimal { public static void main (string args[]) { string binary string = "1010") int decimal = Int : parse int (binary string, 2); system. out. print (decimal): output: 10 Decimal to Binary. class Decimal - Binary { public static void main (string arcts[]) {

not decimal = 10

string binary - integer. to Binary string (decimal);
system.out. printn (binary); (control dans de marie output : 1010 Addition of 2 numbers: Oft off mation class addition-of-2 numbers { public static void main (string args []) { int a=2; I in the property of the second sec int b=2; Color P. H. Maril P. T. eystem. out. pointn ("sum is: "+ c) Thursday dinay if you will g 10. Tales Output :-Sum is 5. Wind of Amount The state of the second