## CSA0912- Java Dogramming

given number.

write a Jour program to reverse the Digits of a

Public class Reversenumbert

Public Static void main (String [] augs) {

Scanner & = new Scannar (System. In) int n = S. next Int ();

int ==0;

while (n[=0]) int rev=n %10; r = r # lo trev;

n = n/10;

System. Out. println Crs;

Inpats

Output's 54321 12345

An Armstrong number is one where the sum of the Cubes of its digits is equal to the number itself.

Public Class Armstrong { Static int arms (int n) int rev, c=0;

while (n! = 0){

rev = n % 10; int (v = rev \* rev \* rev)

return c Public Static void main (String [] args) ? int n=(53) Int re = arms(n); if (n=re){ System. Out. println ("Arm strong ") Essed System. out. println ("Not Armstrong"s; odput ? Armstrong (3) GCD of two Numbers: Public Closs gold quality Static int gc (int a lint b) while (al = b) { of (asb) ( if (bla) { neturn a; Public Static void main (String[ ] args/{ int a = 101

int b = 15;

```
System. Out. Printly (gc (a,b));
  Dutput:
Merge two Sorted Arrays using Java program.
   Public Class merged
       Public Static Int [] merge (Int [] and 1, Int (] arms) {
      int n, = aux. length, nz = aux 2. length;
      int [] result = new int (n, +ne];
     int 1=0; 1=0, 6=0;
      while (izn, at jan2)
         if (am ( [i] 2 = am 2 [j]){
             result [k++] = ovr1[i++];
      I else d
           result [ k++] = corse[j++];
    while (izn) result [k++] = avr 1[k++];
     while Winz) result [k++] = arm 2 [j++])
     result result;
    Public Static void main (String [] args){
     int[] ary 1= {1,3,53;
```

```
int[] arre = 42,4,63;
       System. Out. println (Arrays. to String (menged));
   Post Fat &
      [1,2,3,4,5,6]
(5)
   Write a jour program for frequency of Characteristics
   in a String:
       Public Class Charfrequency &
           Public class void count frequency (String Str)?
             flash Map Character, Integers fre = new Hashmap > 0;
          for (Charc: Str. to Char Array()){
               fre. Rut (C, f. get of Default (Gra)+U)
         for (Chan (! free keyset ()) {
           System. Out . println (C+": "+ free getC);
         Public Static void movine String [] anges of
               String input = "hello";
               Count frequency (Linputs)
        outputs
```