ASSIGNMENT-2 JAVA PROGRAMMING CSA0914

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I Aim:
To write java program for reversing a numbers
  Pseudo code:
   Dinitialize the variables and get the numbers from the user
  2) using the while loop perform:
  3) get the last digit from the number
   4) add it with sum and multiply with 10
   5) remove the last digit from the numbers
   6) display the result.
   Regram
   import java otil . Scanner;
   Public class neverse ?
      Public static void main (String[] args) {
      Scanner input = new (Scanner (System in).
        system. out print ( benter the number );
       int num: Scanner · next Int ();
        int rev=0, temp',
        while (num 70)
         ¿ temp: nam-1.10;
           Yer = Yer 10+ kmp;
           num = num / 10;
        aystem. out print ( reversed number = "+ rev);
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Seg=1.
    Jy
    3,5tem. out. print ("gcd" +gcd);
   Somple output
  enter too numbers: 6 90
   gcd = 6
Ain:
   To write java pragram for merging two sorted array
  arrays into a Single Sorted array
  I seuce code
  Dinitialize the variables and get the input strings from the
  user
 2) merge the both strings and then Sort the array and
  yours agn ni fi grate
 3) convert the array into string, and display the single
  merged amony
 Ricagam
  int [] q= 81,4,7,93;
  int[]= b= 23,6,119;
  int [] ( = new int [a. length + b. length];
  for (in) 1=0; iza length; itt)
      ([i] = c[i])
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for (i=0', izb. length; i++) Clit a length] = b(i); Array. Sort (c): System out print (Anays to String(c)), Sample suitput Sorted array: [1,3,4,6,7,9,11] Aim To write java program for find the dequency of each char in a string Pseudo Codo: 1) initialize the variables and get the input string from the we 2) An array of size 256 is used to store the begunny of each ASCIT character 3) Iterate the bop over each char of the string and update the Sequency count ") display the output Brogram string input = "hello"; int [] Sugaracy = new int [256]; for (int i=0; i L'input. length; i++){

else system. out. print ("Wol Amstrong"); Sample Sulput enter the number: 153 Amskang Aim To write java program for finding the god of two numbers Beude Code: D. To initialize the variables and get the numbers a & b from the user 2). Using the for loop find a number which is less than a & b and also the number should divisible by both and and b a). It get multiple numbers than choose the largest one Rogiam System out print ("enter two number :"); int a = input next 1nt(); intb = input=next1nt(); int 1, acd=1's Br (i=1', i 2 = a \$4 i 2 = b', i++)

if (a / i = = 0 & f b/ i== 0)

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Sample output
   enter the number: 2435
   reversed number ; 5342
D. Aim:
   To write java program for checking weather a number is
  Amakong or not
  Pseudo code .
  I initialize the variables and get the input number form the user
 a) using while loop get the last digit form the number.
 3) And the Cube and add it with sum variable. Then remove the
  last digit. Continue ontil the number is greater than zero
 11) display the output
  Program:
  Bystem, out print ("enter the number").
  int n = input rext3nt();
  int temp= 1, b, Sim=0",
  while (nzo) &
   b=n1.10.
   Sum += b* b* b;
    n= n/10;
   if ( sum = - temp)
   ¿ System. out print ("Amskong");
```

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char ch = input · char At (i);
   frequency [ch]++,
for (i=0; i < fraguency . length; i+1)?
      if (Sequency [i]>02
   System. out . print ((chard)i + ": " + frequency[i]);
Jyzz
sample output:
 e: 1
 h:1
 1:2
 0:1
```