Eleetha sui. P 190011372 Ssignment - 2 Subcoder CLAD914 1. (Rechenge (a priogram) Revenue a number:-P40gyam:impost java. Otil. scarress; Public class Revenenmber & Public Static upid main (string (Jargs) Scanner scanner = newscanner (systemin); System. Out, polint ("enter a nomber:"); intrumber = scanner next (1); int revenerumber = 0; While (nomber !=0) { int digit = nomber:1.10; Reversed Number = Revened number \$10+ digit; number /= 10; System. Out printin ("Revened pumber: "+ Review Number);

input: 10345 Output: 54301

```
Pseudocode e-
Steple Take an integer input - from the user
stepp: initialize the nasiable
Step3: while the input is quater than Berlo
Stepy: Takelant digit of input member the
tinding Remainder
Stepse point the Revened number.
Check Armstrong number: -
  P4994am:-
       imposet java. vii. scanney;
 Public class Armstrong Number &
   public static voicemain (string() args); &
   scanner scanner = new scanner ( system.in);
System. Out-print l'Enter a nomber");
 intromber = scanner nextint (1;
   int oxiginal number = number.
  int sum = 0;
      While (nonbey>0) &
         int digit = nomber 1,10;
       Son+= clight * clight * clight;
      nomber/=10;
```

```
caluctate the GCD of two numbers
 Pagyam:
      Impout java v til scanness;
     Poblic Class GCD cawcrator &
    Public Static int sindged (int a,b) &
  while (b! = 0) &
           int temp = b;
           b=a 1.b3
           astempi
       4
     Return a;
   3
  poblic static uoid main (string (Jarge) &
  Scanner Scanner = newscanner (system. in);
System. Out point l'Enter sint nomber!!);
   ent ged = sind (gedi);
 scamer. closect,
2
Input: 10,18
Output: CICD 126.
```

if (som == original nomber) & System. Out printinlosignal nomber + "is Amotrong nombe!!); geine & System. Oot-paintin waiginal nomber + "is not an armitrag nomber."); Scanner, close (); Jubati- 123. Output: 153 is an armstrong number. Pseuclococle: * Take two integer from the ord on anchy * if ne is a Return nianthe god * Other wise cancrote the Remainder. * Replace newith no and no with temp. * Firal valle no is ged

```
Merge two arrayses
Purguam:
   import java. otil. arrays;
   Public class merge soutedarray &
 Public static int[] onege soutarrey lint[] arrivanz
   int n = arrivergth;
      n2 = arrz·length;
int () raege array = new int (netne)
     intiz0,1=0, K=0;
 White (iznies znz) &
    if (arr1 Ci] <= arr2(i]) &
    Megedarray [K++] = arr1 [i++];
 3 eines
  int() ranged array = mergesarted array (arrivanz)
System. Out printen ("Meig souted any: "+ angs.
to string (merged array 1);
input: §1,3,53 &2,4,63
Output: § 1,2,3,4,5,63.
```

Count frequency characters in strings. Parquame impost java otil Hasmap; public class character trequercy counter & Public static void count character tregury (string str) & Str = str. to lower case (1; For (chay ch: str-tochavarray (1) & trequency, map. pot (chefrequency); 3 Public Static void main (string CJ orgs) String input string = " character frequency" Count Character Frequency Cinput Strings; input: "hello" Output: h:1, c:1,1:0,0:1.