```
1. Aim :-
        To write Tava program for reversing
   a number
  Pseudo code:
  Stepl: intialize the variables and get
  the number from the wer
  Step 2: wing the While loop persorn:
         · get the last digit from the
         number
         · add it with sum and multiply
        With 10.
   steps: display the result.
   Program :-
   import java. util. Scanner;
   Public class reverse number &
      public Static void main (String[] args) &
           Scanner input = new Scanner (systemin);
       system.out. print ("enter the number;"):
       int num = Scanner. next Int();
       int rev = 0, temp;
       while (num>0)
       { temp = num./.10;
         rev = rev * 10 + temp;
          num = num (10
```

System. out. println ("reversed number="trev) Sample Input: enter the number: 2435 reversed number: 5342 -11im :-To write Tava program for checking Weather a number is Amstrong or not Pseudo code: Step1: initialize the variables and get the input number from the Step? : wing while loop get the last digit Joon the number. steps: find the cube and add it with sum variable. Then remove the last digit. step !: If sum is equal to the actual number than it is armstrong. 89:-155=13+57-3

```
Rogram:
 import java-util-Scanner;
    Public class armstrongs
      Public static void main (string[]
                       J(spro
        int n= input.nextInt();
        int temp=nib, sum=0;
         While (N70) &
           b=n.610;
          Sum+=6"6"6;
            n = n/iD;
           3 if(sum = = temp);
            2 system. out.print ("Amstrong");
              system-out .print("NOt");
 Sample output:
 enter the number: 153
 Armstrong
```

Parado code in The Vivil Islanding the million in the John of more a sun is serious six steps: with the ten true died a minuter been extend to such mest of definite obligation through extense on one by both a and b. steps tax you get mattiple numivor than chance the hingest and insport Jours at its sames; palific élair ged? Security about a sister of the collins System ced print ("enter town mins"); int are inpute mentioned int by input one weathered is int ingent in citation in particular i il continuo per minimum.

```
<sup>5</sup> gcd = 1;
    Systemout. print("gcd="+gcd);
  Sample output:
  enter two numbers: 690
  gcd = 6
 -Aim :-
      To write Java program for merging
   two sorted arrays a single Sorted diray
  Pseudo code:
   step1: Initialize the variables and get
         the input string from the wer
    step2: merge the both strings and then
           sort the array and store it in
    steps: convert the array into string and
           display the single merged array.
   Program:
        import fava. util. scanner;
     Public class merge &
            Public static void main (String[]
                                    3(4)10
          int[] a = E114,7193;
```

```
int[] b = {3,6,11];
      intCJ (= new int Ca. length+b. length];
      for cint i=0; izailength; i++)
           c Cij = a cij;
        for ci=0;i2b.length;i++)
            c[i+a.length]=bci];
          Arrays. Sort(c);
          System.out.print(Array s. to String(1)
   Sample output:
    Sorted array: [1,3,4,6,7,9,11]
5 Aim :-
      To write Pava Program for find
  the frequency of each char in a
  string.
  Pseudo code:
  step1: initialize the variables and get
       the input string.
 Step 2: An array of size 256 is wed
         to store the frequency of
         each ASCII character
```

Aim:-To write Tava program for find the frequency of each char in a string Pseudo code:-Stepl: - Initialise the variables and get the input string from the wer Step2: - An array of size 256 is wed to store the frequency of each ASCIT Character. Step3:- If frequency is greater than zero then print the char and its frequency. Program: Public class frequency { Public static void main (string[] args) [string input = "helto"; int[] frequency = new int (056); for (inti=o;icinput. length; i++){ char ch = input. char Atci); frequency ChJ++; torci=0; i 2 trequency. length; ital if Cfrequency[i]>0) {

```
System.out.println((char)i+":"+frequing
3

Sample output:
e:1
h:1
1:2
0:1
```