CSA0979- JAVA PROGRAMM WE

ASSIUN NAT NT-2

1. Reverse Number:

AIM:

To Rescurse a Number in Java program of given digits.

Pseudo code:

- ? Initialize a variable to store the neverred Num, o'
- I we while loop to extract each digit from org Nam by nem! o
- -) Append a Remove the last digit from org vum by direct it ky 16
- Agent the Steps. 2-4 estatel org Nun becomes o'

PROOTRAM:

import Java util scanner;

public class Rev Num &

Public static void main (string [] arys)?

Scanair Scanner - New Scanair (System in);

System. out. print ("Enter a num");

int number = scanner . rest Int 1);

int receives = 0.

while (Number 1:0) {

int digit = Number 7.10;

neversed number : neversed Number "10 + digit;

Namber 1 = 10;

System. out . printles (" Rev Numb: " + Record Num);

Output:

0/9.54321

```
Amstrong Number:
AIM:
   To write a Jaka program for Amstrong Number
Pseudo coole:
   1. Initialize a variable as org Num
   2. use while loop for this as syntax dig : N 1.10
   3. Thus sum = sum + (digit ' digit " oligit), N=Num /10.
   4. Then diplay the output.
 Ptogram:
   Import 5 and will sonner;
  Public class Alean Num &
         Public states void main (string [] args) {
                 Scanner 3 Canner - New Scanner (system in);
                 System . out print (" Enter a Num: ");
                 int Nun = Scanner . meret Int ();
                 int orgininal Number = Num;
                 while ( Num := 0) [
                        intdigit = Nun 7.10;
                        Sun + : digit + digit " digit;
                        Num / = 10%
              if (sum = = org Num)?
                  System. out print les ( org Num + 13 Aron Num .");
           3 else 5
               System. out printle (org Nam + is not Arm ")
                is a prostrong Number
```

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OLD:
AIM:
   To write a Java program for Or () Calulation.
Pseudo code:
  1- Intialize the variable as Num 1, Num 2.
  2. use while loop as (b! = 0) condition statement
  3. Then we the temp as the tempory variable
 4 Diplay the output.
 Import Java util slamer;
public class CrcD &
         public static wiel noin (string ( ) args) {
              Scanner scanner : New Scanner ( System in );
             System - out. print ("Enter the 1st waster:");
             ind num; = Scanner. next Int ();
            system. out. grint (" Enter the 2 nd Num: ");
            Int num 2 = Scanner . next 3nd ();
            int g c of = final or c) (mem 1, num 2);
            System . out . print la ("ore) in " + 9 cd );
       public static last find (12) (int a , int b). {
              while ( 61.0) {
                   but keap = 6;
                     b = a y. L;
                     a = kep ;
            return on;
                  CMCD = 6
```

```
4 Merge two sort:
  Ain: To write a Java program for merge two vort.
  Pseudo Code:
    1. Initialize two points, one for cach array
   2. Compare the elements wing the if else condition.
   3. create result array and while loop syntax
   4. Dinglay output of sorted.
  program:
   import sava util Arrays;
   public
           class merge sortiol annays ?
           Public static void main (string (3 args () }
              ind [] was 1 = [1, 2, 3]
              ind [] orn 2 = { 2, 4,6}
             int () surged curray a morge Awry (art 1, over 2);
             System out printly ("nurgel array "+ array . to strin ( merglary))
     int iso 1 ) = 0 ; k=0;
    while (ic no daj sur)!
            4 (arr, (i) z = arretis) ) 1
                    result . [ +++ 7 - arr 1 ( 1++);
                    result [h++) = arre2(+++);
         rutur result;
  output:
     [1,2,3,4,5,6]
```

```
5. Frequences of character:
          calculate the Frequency of the claracter in Jose program
  Pseudo code:
      1. Initialize the variable as Hardrap to store frequery of each character
      2. Exterate over each claracter in the string
     3. If it is already in the may inversel the cont, if not, aild
         it will a count of ,
      4. print the contexts of the Hashmay
   program:
     Import
             Java - util . Kashmag ;
     Import
             Java. util map;
     Public
             class Character freques &
              Public static void main ( string (7 args) {
                     string str = "hello";
             may a character, integer > charfreques = count freques (str);
            for ( mag · Entry & character, Integer renters: Char Freq . entry solo);
             System. Out. grintly (extra getty ()+: ", extr. get value ) }
           for ( Char E: str. to char stras ()) }
                if (frequency: contain ky (c)) {
                   freque map . put (1, free ray . git (1)
             3 dry 5
                  freques map put (c. 1),
           return freque map
```

output: Hello