START WRITING FROM HERE

```
8. Exercises on Arrays
9.1 Print Array (Array)
import java. util. Scanner;
Public dan Print Array }
     public static void main (string args []) {
          Scanner Scan = new Scanner (System.in);
          Systm. out. print ("Entr the number of items: ");
          int size = scan.nextInt();
           int[] itms = new intlsite];
           Syskm. out. print ("Enkr The value of all ikms (seperated
                            by space): ");
           for (int i = 0; i < sie; i++){
               items [i] = Scan. next Int();
           3
           Systm. out. print ("The value) are: [");
           for (int i = 0; i < 1 kms. length ; i++) {
               Systm.out.print(ikms[i] + " ");
           Sylkm.out.print ("]");
     3
3
output :
Enur th number of ikms: 5
Entr the value of all itmy (sperated by space): 32 569
The values are: [3 2 5 6 9]
```

```
Print Array In Stars (Array)
import java. util. Scanner;
public class PrintArray In Stars &
     Public static void main (string args[]) {
     Scanner scan = new Scanner (system.in);
ELIPSE BYSKM- OUT PRINT ("ENCY The number OF IKMS: ");
          int size = scan next Ent ();
           int [] litems = nuw int [siu] in []
           System. out. print ("Entr the value of all items (seperated
                 3 (+11 ( suby) space). "); 1 +10
          for cline in=0; ikstres littly
               items[i] = scan. nextInt();
            ξ
               INT grade star acktint()
           for (int i = 0; icitems. length; "it+) {
               Syxm. out. print (1 + "1 ") impo
               for (int ) = 1) 5 4= imms [i]; 5++) {
                    Syxm.out print (" !!);
                                     2119
               System. out print & " tritems [i] + " )in");
           3
                          to be grades
     3
£
Output: The same of the same of the broken and the
 ENKY the number work items , 3
 Enter the values of all items (seperated by space): 2 1 0
     (0)
```

3

```
arades Statistics (Array)
1.3
import java. util. Scanner;
Public class Grades Statistice &
    public static void main (string args 17) }
          Scanner scan = new Scanner (system.in);
         Systmout print ("Enter the number of students: ");
             sill = scan next Int ();
          int [] marks = mew pint Isiu ] ; [ 1 1/1
          int sum = 0; max = 0; min = 100;
          tor (Int 1=0) 12/5/12; i++) {
              System. out print ( "Enter the grade for student "
                  i(" Hem+[i(1+i) sun. nextInt();
              int grack= scan.nextInt();
             marks [i] = grade;
               Sumil+ = grades or or margo
          if (grade > max) {
                 Max = grades motors
               3
               if (grade < min) for a my tous
                  min = grade;
               3
          3
          System. out. printf ("The average is: %.2F,", (douby) sum/size
          System. out. println ("In The in imum is: " + min);
          Symm. out. printin ("The maximum is: " + max);
    ž
```

```
output:
      th number of
 FNHY
                       students:
           grade for student 1: 48
 ENKY
       the grade for student 2: 77
 ENHY
 Entry the grade for student 3: 78
                       student 4: 17
      the grade for
 ENKY
      the grade for student 5: 76
 ENKY
      average is: 83.40
 Tu
 M
      minimum is: 76
 14
      maximum is: 98
                                                  : 110000
                  (Array for table lookup)
 8.4 Hex 2 Bin
                      ENHY a MERADECIMAL STRING: LADE
The equivalent binary for hermonal Historian and expended and proportion
 public dass HerzBin {
      Public (statical void main (string args []) }
           Scanner scan = new Scanner (Sylkmin);
           System. out print ("Entire a "Hexade coma" string !" ");
           String input = Scan. In Ext (1) 200 (10) 5/10/19
          i stantic state voice main (Silve sites silded
           String hex = input to Upper Case ();
                 String [] Her Bits = { "0000", "0001", "0010", "0011",
                     (1110", "0110", "0110", "0110", "0111",
                                 ( 0 "1000") "1001", "1010", "1011",
       (5"111" , "am" , "1011" Se "agu "ons principo (" piesse enter consistine
           inr stren = input. length U; 1 1/18 1
          Sylum. out. print ("The equivalent binary for hexadecimal
         (" : 1)" + Tuput + "\" is : ");
```

```
for (int charld = 0; charld & stilen; charld ++) {
            char character = hex. (har At (char Id);
            If (character 5= '0' 48 character <= '9') }
                 System. out. print (Hex Bits [character - 48] + " ");
            3
            else if (character >= 'A' 44 character <= 'F'){
                 System. out. print (HexBits Echaracky - 55] + " ");
            3
        4
     ì
 }
 output :
              (quitos) sign for correct tooling)
  Entra Hexadecimal string: labe
 The equivalent binary for hexadecimal in labelis: 0001, 1010 1011 1100
              ex (Array for fable lookyp) wang
       Dec 2 Hex
      SCHIND STEN & USO SCHUNCE ( 28, CHIN. W.)
( import java, util. Scannering Diangetho morning
          class Decizhexn& Apis + tugni pairis
       public static void main (String args (7) }
            Scanner scan = new Scanner (System. in);
            Syskm.out, print ("Enkr a decimal number: ");
          int dec = scan. next [n+();
  ore my modif (accordo) &
         System. out. println (" please enter positive number ");
            3 else Eurippour Harri Mairis Mi
               System. out. println ("The equivalent hexaderimal
              numbe is " + Integer. to Hex String (dec) . to Upper (aiel);
```

3

3

ROLL NUMBER:

output :

Enter a decimal number: 1234

The equivalent hexadecimal number 13: 4DZ