```
inin : 5 !
                for ( ( nd i = 0; ( n; i+4) {
                       for ( ind jeo; jen; j++se
                     it Circollissollisson Ili
                     System. out. print ( * ;
                    else 2
                               System.out . print ("
                          - 1
                      System.out, println();
                       1 ( 100 ) 1 111 ( 100 ) 1
                 e it in the total
           n-digit Number
public class NumSum &
      public static void main (String [] augs) {
               int n=123, sum=0;
               while (n!=0) {
                  int rem = ny. 10;
               sum+= deg nem;
               n= n/10; . n prices
              System. out. println (sum);
     3
3
```

40.) public class Hallow Square &

public static void main ( string angs ());

```
in n = 81;
                        double sort = Hath.pow(n, 0.5);
                        System.out. poulntln (sq rt);
         3
  3
    Matrix Multiplication;
u3)
          class Matrix Multiplication ;
  public
          public static void main (String [] args) {
                     int arr 1 [3] [3] = { [1,2,3], [4,5,6], [7,8,9]];
                     int arr 2[3][3] = [{1,2,3], [4,5,6], [7,8,9]];
                     int arr3[3][3] = { [3, [1, [1];
                    for (int i=0; i < 3; i++) {
                            for ( lint j = 0; id j < 3; j++) {
                               for (int K=0; K(3; K++) {
               int sum += avri[i][] * anz[||]
             21 12 1 1 2 2 22 , 0
                     Jan as for the state of the same
                 System.out.println(arr 3);
```

public static void main (string 1) orge) }

Square root:

Public class SquareRoot &

```
44) Invoited Pyramid
        class Inverted Pyromid !
 public
         public static vois main ( string ( ) orgs) }
                        int n=5 , 1, j , k;
                        for (len; i)=(; i--){
                                for ( j=0; j(n-i;j++){
                                        System. out, print (" ");
                                for (int K=4; K <= i =, K++) {
                                       System.out, print In (");
                                System.out. println();
                          1
          3
3
Medium
   Composite:
  public class Composite ?
          public static void main (string [] args) {
                 int aux[] = {4,54,29,71,7,59,98,233;
                 int com=0, pri=0;i, j, c=0;
                 for (i=0; i carr . length; i++) {
                          for (int j=1; j(ara en +j++) {
                                   if (an [i] 1/. j ==0){
                                          C++;
                          if (c > 1) $
                          else
                              pri++1
                    System.out. println ( com);
                    System. out. paintln (pail);
              3
```

```
Max & Min
2)
    public class Max Min &
           public static void main ( string (1 orgs) }
                     int ass [). [14,16, 8), 36,25, 89, 84);
                     int lens are, length;
                    for ( Int 100; i eten; i++) ?
                         for ( ind j= i+1 > j < len > j ++ ) }
                                  if (an [i] > an [j]) {
                                        ind temp = over[i];
                                         ar (i) = ar (j];
                                       agr (i) = temp;
                                  1
                      ]
                     int m=1/n=3;
                     int max = aru [len-m];
                     int min = aov [n - 17;
                     int piff = max-min;
                    System.out.println (Diff);
           3
    3
           class ATM 2
    public
            public static void main (string (2 args) ¿
                   int n 1=500, d1=4, n2-100, d2=20, n3=200, d3=30.
                  int Total = (n1 *d1) + (n2 *d2) + (n3 *d3);
                   System.out.println(Total:-"+ Total);
                                                                      1;
           3
```

class String Palindrone ! public static void main (string (1 orgs) [ Slaing SID "HADAH"; axing so. "; Int ten . st. length (); for (int i: Len (; i>= 0; i - -) { Sz = 52+ S1. Char A+ (1); 3 (1 (s1. equals (s2)) System.out. print ("Palindrome"); System.out. println ("Not Palindrome") 3 3 Binary { public class public static voice main (String () augs) { int dec= 15; String = bin = Integer. to Binary Aring (dec); string oct = Integer. to Octal String(dec); System.out.print ("Birasy Nomber "+bin); System.out . paint In ("Octal Number"+ oct); 3

4 String Palladrome

```
6.) Organization.
  public class organization & in
           public static void ( (thing 1) angs) ?
                     Scanner input new Scanner ( System. in);
                     int . a, b;
                    double bonus : 0;
                    System out, paint (" Inter grade ");
                   charat = input, next(), closat(0);
                   System out, print ("Salary: ");
                   int b1= input, next Int();
                   it (al=='A') {
                          bonus = 614 (0.05);
                          if ( b1 < 1000 ) 9
                                bonus = bonus + b1 * (0.02);
                        System.out.println("satary = "+ b1);
                       System.out. printly ( "Bonus" + bonus):
                       System-out.printer ("To be paid: "+(b1+ bonus));
                 else if (a1== 'B') ?
                       bonus = 614 (0.1);
                      if ( b1<10000) }
                               bonus += b (0.02);
                               Systemout print In ( Salary: "+ Salary);
                              System.out, print In ( Bonus "+ Bonus);
                             Systemout. println ("To be paid "(b2+bounus);
                    3
             else &
                 System.out.paintln ("Invalid Grade");
              3
```