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Assignment-4 of Jeswanth
  - de [ [ ] wo ( [ f ] wo ) 7 192321056
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Int arr[]= {4,54,29,71,7,59,98,23};

fint com=0, pri=0; for (int 1=0; i (arr. length; i++)

for (ant j=i; j\avr[i]; j++){ 1 196mun if (arr[i] /0 == 0) end . Just mater

com++; (c) i) com++; (c) infine = += C for

else

33. Write a program to print ff: ++ing amount System.out. println ("composite number;" + com); System.out.println ("In prime number: "+pri);

int hi=500, di= +, nz=100, dz=20, nz=200, dz=200 lueza

32. Find the nth maximum number and nth minimum number in an array and then find the sum.

> Int arr () = {14,16,87,36,25,89,343; int Len = arr length; for (int 9=0; 9<1en; 9++) {

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for (int j=i+1; j<lon; j+4) 2
   of (arr[i] > arr[j]){
    omera sat into tempo arv[1] in mora or of
       4920 your Strangilinus stranger In
              arr [j] = temp;
       Int OW [] = {4,54,29,71,7,59, 18,23};
             for (90t 1=0 19 ( 0xx, longth 99++)
     int m=1, n=3;
      int max = arr[len-m];
      int min = arr[n-i];
     system.out. print (m + manimum number");
     system.out. print ("\n+n+" minimum number");
     int sum = max + min;
     int Diff = max - min;
33. Write a program to print the total amount
available in the atm machine with the
condition applied. It although out of the
    int N=500, d=4, N=100, d=20, N3=200, d=200, N4=2000,
    d4=17
int tofal= (n1*d1) + (n2*d2)+ (n3*d3)+(n4*d4);
        d4=13
  system. out - print ("total available Balance in Atm:"
                           +total):
           Int any () = {12,16,87,36,25,89,34};
                         int Len = ary length;
                     for (3rt 9=0; 95/101) 7++) [
```

string S1="madan";

string S2="";

string S2="";

int len=S1.length();

for (int i=len; +>=0;

S2=S2+S1.char at

if (SL.equals(S2))

system.out.print

else

System.out.print(

35. Write a program to number egrillent to 6 octal numbers:

int dec=15; string bin=integor string oct=integor + system.out.println() system.out.println()

36. A worker and 10-boil grade B workers

Scanner Input = hew sca int a, b; £ bonus = b, *(0.1); if (b, <10000){

```
14. Write a program wing choice to check
        string S = "madan";
        string S2= 11 Milos ) as
         ant len=SI. length ();
         for (9nt = len; + >=0; 1--){
               Sz= Sz+S1. char at (+);}
           of (SL. equals (S2)) Intring. 12) 16
                 system.out.print ("Pallindrome");
             else
             System. out. print ("not pallindrome").
        35. Write a pregram to convert decimal
            number egralent to banary number and
number";
            octal numbers: (1 the trans tuget and the
                                  int sum=0, temp=0;
                int dec=1s;
                 string bin=integer to binary string (dec);
amount
                 string oct = integer to octal string (dec);
he
                  system.out. println ("Binary-number="+Bin);
                   system.out, println ("Octal number="+Oct);
,d3=200, n4=2000,
              31. A worker and 10 bonus on salary to the
d3)+(n4 * d4);
                grade B workers
dance an Atm:"
                  Scanner Input = new scanner (system in);
                   9ht a,6, &
Int 346 [
                    bonus = bi * (0.1);
int Len = o
                      3f (b, < 10000) {
For 12th -9=0
```

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bonus = bonus + b, + (0.02);
        system.out.println("Salary="+61);
       system.out. println ("Bonus = bonus);
       system.out.print In ("total to be paid");
            52= 52+51. (Fall of 18)}
      system.out . println ("Enter valid grade");
     various cut sprint ( Palind me");
37. Write a program to print the first n
 porfect numbers.
     Scanner input= new scanner (system. in);
    int n= input.nextint();
       int sum=0, temp=0;
       for (ant j=2:j(=1000 ij++){
if (n>temp)

sum-1;

for (int =2;is; i++){
   (to 0 + = + = + ((.1.)) 7 = = 0) in ( = = + ( = + ))
 if (sum == 3){
               system.out.print (j+" ");
         temp=temp+1;
                         7(000) 7 i
```

```
38. Write a program to print first n perfect
    number
                     a strudents in subjects
    Int total = (a, +a2+a3+a4);
   float agg = total = 146; + soup = lotat tot
   System.out = print in (fofal);
   system-out = print in (agg); to motor
   of (agg 75) &
                                  9 (age 75)
       System out println ("distance"); 3
   else if (agg) = 60 (agg (4s)
       Bystemoout print inc first, Division;
   else if (agg) 40, agg (50)
       system.out. print ("third davision")
   age system out print in ();
39. write a program to calculate given the
following condition.
Scanner input = new Scanner (system.in):
 int income = input . neut input ();
float tani
   if (income < 15000) {
      system out .print Ln ("tax" inome/10);}
  else 9f (in come >= 30000 income (=50000) {
     system.out.println ("tax =" + inome '20');
  else
    system.out.println ("+ax="+income'30');
```

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40. Write a program to enter the maks of
      strudents in subjects
               *(20+8+10+10) = Into+ +10+04);
  int total= (a,+a2+a3+a4);
  system. out. print Ln (age"); thing = the mater
                              3 (81 689) 72
  if (age 75)
    System.out.println ("distinction");
     system (agg = 60 "agg (25"); {roomstave
  else
  System.out print Ln ("second divison");}
  else if (agg) = 400 agg (50) {
     system.out prant In ("thand davision")?
  elses
     system.out println ("fail"))
          Scanner input = new Scanner (system. in);
           income = input - nest input ();
                                Acat tone
                      3 (3n come < 15000) {
   system out print in ("+ax" inome/10); }
     else 35 (faceme >=3000 facome <=5000) f
 system, out. println ("tax = " + movine '20");
      system_cut.println ("tax="+incomo 30);
```