CSA0998: Java Programming Naue: Di harabagan Rogino: 1923/108/ dep: 185 2nd Years Dato: 2/8/241.

Desire and composite numbers

Import Java. atil. Scanner;

Public class mano &

Public static void main ('stringf) asport

int of ass: \$4, 64,29, 71,7, 69,98,233;

Int count = 0;

for (int nam: arr) &

int count = 0;

for (inti=1; it=num; i++) &

2f (num y.i==0) count++;

2f (count > 2) count++;

ets = 2f (count = -2) pri+t;

8 ystem. put. printf ('tomposite numbers: 1/d/n Primo
numbers: 1/d/n primo

output: Composite number: 3.
Prime number: 5

an an assay and thon find Sum of ? f

Import Java. atil. Arrays; Public class mains &

Public static void main (string[] asgs) &
int [] arr=&1+,16,87,36,25,89,349;

Arrays. Sort (arr);

Int m=1, n=3;

int max = arr farr. longth -m];

System out printfl" / d maxim um number = 1.d/n/d

minimum number = 1.d/n Sum = 1/d/. ndifference =

1.d/n", m, max, n, min, max + min, max - min);

output: 1 maximum number = 89

3 minimum number = 25

Sum = 11+1

Difference = 6+1

an ATM machine with conditions applied.

Public class ATM Balance Calculatore Public static void main (Stringf) ags) & int ff de nominations = \$ 500, 100,200, 20009; int ff grantities = \$4,20,32,19; int total Balance 0;

for (int i= 0; i L denominations. length; i++) & total Balance += denominations [i] * quantities [i]; System. out. Println [" total Available balance in ATM: 1"+total Balance); output: Total available balance in ATM: \$ 12400 cosite a program check string as Palindrom or not Import java. atil. Scanner; Public class Palindrone Checker & Public static void main (8tring 1) agrs) & Scannes scannes = now Scannes (System. in); System out Point (enter strong to chock palindrom: "); Strong input = Scanner. next Line D; I for my revessed = now Storing Builder (input). revesse() tostring; ef (input. equals (revessed))& system. out. Println ("the input stoing as Palindrone "); else & System. out. Print I'M" the input & toing is not a fat: whome "); output: enter a string to check of it is palindrone inordadmon The input strong is a palintrone.

binary num and octal num.

Import gava. et: 1. Scannes;

Public class numbers Convertisq

Public static void noun (string) Jaegs 18

int doc=16;

String bin = Integer. to Binary String (doc);

String oct = Integer. to Octal string (doc);

System. out. Println ('binary num = "+bin);

8egstem. out. Println ('Octal num = "+out);

out put: Binary number = 1111

@ calculate bones that has to given to employee and part calony that employee will get.

Import java. alil. Scanner;

Pablic class Employee Bonus &

Public steetic void mans (String[Jargs)&

Scanner; nput = new Scanner (Systemin);

System coul. Frint (enter grade of employee (A/B):");

Choos grade = in Put . norf(). ches A+10);

System. coul. Print ("enter Salary afemployee:");

double Salary = Long = , Imput . nert Double();

double bon us = 0;

```
ef (goade = = 'A') &
               bonus - Sabay * 0.05;
           else if (grade = : 1 B') &
                bones = Salary * 0.10;
                system. out. Prointln (" invalid grade.");
            else &
                input. closels;
                retarni
          of ( galay 1 10000) 2.
             bones += sabay * 0.02)
        System. out. Parindin (" Sabay - &" , + sabay);
       System. out. Printle "Bous: &", + bonus);
     & System. out. Print In "total to be paid = $", (gabey shows));
Input, output:
    enter grade of employee. (A/B):A
    enter . Salary of employee: 8000
     Sabry : $8000.0
      bong = $ 560.0
      Total to be paid = $8560.0.
```

conte program la proint first n project num. Import Java. atil. Scanner; Public class partet numbers & Pablic static void main (String / Jags) & Sconner input = new Scanner (8ystem. in); System. out. Print ("entos the no. of perfect number to Print: "); int n=input. next Int(); for (: nl 9=2, count=0; count 1 h; j++) & int Sam=1; for (inti=2) [L=1/2; i++) . f(j : [==0) 8 am = i; ch (Sam = = j) & System. out. Print (j+ "); 3 3 3 Count ++; Input & contput: enter no of perfect number to Print: coste program to print first a perfect num. Emport gara atil. Scanner; Public class perfect number & Public static void main (String / Jags) à Scommas input - new Scanner (System.in); System cent. Print l'entes no of perfect runber to inth = input. next int(); for (int j=2; count = 0; count 2 h; j++)

The sam = 15 for (int = 2) it = j/2 ; i+1) if [; 1:==0) Sum +=i; of (Sam == 5) & System - out. Print(j+ "); 999 g coul ++; Input and output: enter no. of people I number to print = 1 corite a program to entes makes of student in Jour Subjects Import jana alil Seannes; Public class Student masts & Public static void main (String prags) ? 1W-az=91; FW 013: 925 F.W a 4 = 98; The fotal = 01 +02 + 03 +04; float agg = total (4f; System. out. Println ("total =" + total); System. coul. pariuln (aggregate = " +agg); ch (agg) 75)2 System. out- Printly (Disting tion); else ib & agg >= 60) & (" first division"); else of (aggs = 50) {
Segs for coul. part ho (" second division"); ekeif (aggs = 40) & l'third division");
2986m. out. Println ("third division");

System and print ("fail"); output: Potal = 366 Agg = gats = 91.75 Distirction. corite a program to calculate for from given coudition. Import gava atil. Scanner; Public class tax calabates & Public static void nour (Stringe Jags)? Scanner in Pot = New Scanner (Soyston. 11); 8 ystem out . print (" enter your income: "); rutinconse = ; uput. nextint(); float fax; of (income 1=150000) } & 8 gsbm. oed. Printh ("Notar"); (0.10t)+ Ose & tax = Math. max(0, (Nath. min (income, 300000)) 150000)* Moth Max (of Math. min (income, 500000) 300000) 820 +Math. max (0, in come-500000) \$0.030P); System. out. Paintln ("Tax: "+ fax); Input: Entis Yours income: 200000 output. Tax= 5000.0