- Ramesh's basic salary is input through the keyboard. His dearness allowance is 40% of basic salary, and house rent allowance is 20% of basic salary. Write a program to calculate his gross salary.
- The distance between two cities (in km.) is input through the keyboard. Write a program to convert and print this distance in meters, feet, inches and centimeters.
- If the marks obtained by a student in five different subjects are input through the keyboard, find out the aggregate marks and percentage marks obtained by the student. Assume that the maximum marks that can be obtained by a student in each subject is 100.
- 4. Temperature of a city in Fahrenheit degrees is input through the keyboard. Write a program to convert this temperature into Centigrade degrees.

- Temperature of a city in Fahrenheit degrees is input through the keyboard. Write a program
 to convert this temperature into Centigrade degrees.
- 5. The length & breadth of a rectangle and radius of a circle are input through the keyboard.
 Write a program to calculate the area & perimeter of the rectangle, and the area & circumference of the circle
- Two numbers are input through the keyboard into two locations C and D. Write a program to interchange the contents of C and D.
- 7. If a five-digit number is input through the keyboard, write a program to calculate the sum of its digits. (Hint: Use the modulus operator '%')

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- 8. If a five-digit number is input through the keyboard, write a program to reverse the number.
- 9. If a four-digit number is input through the keyboard, write a program to obtain the sum of the first and last digit of this number.

10. In a town, the percentage of men is 52. The percentage of total literacy is 48. If total percentage of literate men is 35 of the total population, write a program to find the total number of illiterate men and women if the population of the town is 80,000.

11. A cashier has currency notes of denominations 10, 50 and 100. If the amount to be withdrawn is input through the keyboard in hundreds, find the total number of currency notes of each denomination the cashier will have to give to the withdrawer.

papergrid Space

Do Whatever you like!

Papergrid

Problem section: 5/9/24

1. Rarcesh has a salary is super the ergo of the Keyboard. his decerness allowance is 40% bushe's salary, & house brent, allowance is 80% of bushe salary. & write a mogram to his gooss salary.

sol:

unclude & stdie.h

float bs, D+, HRA, Gs;

Pourt f (" | n Exter the Basic sulary 3");

Scarcf (" y, of", 8 65);

da = bs * 0.4. hra = bs * 0.2

gs = bs + da + hra

Print f ('An da: 1.5', da);
Drient f ('In hra: 7.4, hra)

Downt ("In 954: 7. 1. 989)

Deturno:

2. The distance blu a which is I'll tworgh rent tou dulin in metres, feet, inches en unt main () float mobies, feel, unches, g km, m, ten;
(m) (m) (m) (m) (cm) Porint + (in Enter the distance blw a citice Scant (1/4 4: , & Km); m = Km x1000; cm = m x 100; im = cm/2.5+1feet = inches / 12: Pounts("/n m; %, f, m"); Dountf("/n cm; 1/1, em"); Donitt (" /n" : 1.+, "n"); Pourt ("In feet: Y. I, feet); greturn 0; \$ 5/8/

Subjects are expect through the keyboard, find our aggeregale marks & powered age marks obterior
by the student assume that the movemen mours that can be obtained by a student in each is # renclude & std100h unt male () float a, b, c, d, e, b, l?; Orelmark un 5 Subjut;"

Porent f ("/n Enter the observed mark un 5 Subjut;" G=a+b+c+d+e; P = G/100 * 100 Pount ("/n 6/3 1, +, a"); aggregate marks Pount CYn b: Yot Printf ("In aggregate marks: 15, G); vuid f (" \n percentage nocks ; "-f", return o The temperentire of the city in fahrenh emp un celsuus. v

od maler () post faherentiet, C; fruit f ("In Enter the temperature:"); scarf ("I.f: &F); 6=(F-32)5; Pount of ("In temp in celerus (5/2); 5. length & hordtr of rectangle & roodius of a circ are input through the keyboard. voite, a Igm to calculate the area & pormiter of the rectangle & area & circumpowere of the write. # unedude c std 90 oh flood, l, b, r, a, p, 6, a_cir; Journt S (" / n Exter the value of I sight & box Scanf ("/n f % f; \ 28b); a=1\$b Bount + ("In area of the rectangle: 18a); rint+ 1" in Deriviles of theoretagle: "

Tourt f (In, end scan + (%, f:28); a-cir = T\$n2; Pount (In area of wrete: "1. f, a-cir). Ovent (In armorperence of write: 1. f', c); return o; 700 numbers vare input through the keylow unto locations CED. aville a proj to unterilleige the contents of C&D. concept 3 Interchanging Value oreturn o; enclude 2. std90.h> of main () oat C.B.D; until "In Enter the two values;"); an+ (" 10 d, 7, + 3 2 C, & D); ntf("In The value of (; ", b);

It and would a mooner to per board, woulde a program to calculate o rece sum of digits - [hiert: use to modulus operator ('16)) wi # include & std 900h > Ed main () unta, b, c, dierfig, hoi sum; Pount & (" / n Enter 5. deget Number:"): scart (" % of " 2 a); D=a/100; 11-1234 c=a 0/010; 5 Sum+ = C 23.45 d=b/10 3/1/23 e=b0/010011 == sum+=e f=d/10; // 12 9 = d 0/0 10; 1/3 sun + = 9 h=f/10://1 X = 10/10; 1/2: Pount + (" /n Sum of 5 digit number: 4, 4,5 Sum = c+e+g+h+1 oreturn o

8) of a 5 digit number as input through to very hourd, write a pain to over eriso the number. + include 2 sildio.h> unt main () unt a h. c.d. e 1-19 h. ?;

print ("In Enter the 5 digit number:"); //1234

(Same as previous) Prient f ("/n Reverse member 1.d rd rd rd rd; ce got oreteurs o i) if a tradigit number is Input through the the first & last digit of this number. # enclueell & stdrown> at make () ed a, b, c, d, e, fg, Sum; rest ("In Enter the de degit number:") 3/1/123 can f ("/od &a); 10/1234 -0/10 all 123 234 = 00/010 0/4; - b/10;112; - b 401/18; = d/10:1/1: = d4-10:1/2; 10/123 n = c + fburk o' /n Sum of first & last 2 humb or 8 ; y, d,

19 In a lown, the 1. of men us 52. The 1. of total letroug istal total I of libretin men 20 35 of total population, write a program to find the total no of illuterado men e word. I population of town Is 80,000. Solis , 1295 # inetered 2 stolies h > int mais () & int pop = 80,000, men, women, litteren, illitmen lituon, illituon; mer = 52 * (pop)/100. 35 100-52 = (48). 00)); women = pop - men: 100)/50 fit men = 35 x(pop/100: (100)/\$8 to lil = (48 # 8.0,000) /100: illitmen = men - litmen: lituon = totlit - litmen illulation= pop - (litran + litran + illutore Porist ("In num of illibrate men: yod", oreture 0:

11) A cashier has currency notes of denonwell 10,50 2100, of the amount to be with drawing is Is through the keybourd in hundred find the total number of currency notes of each denomination the earhur will have to give to the with drawer .. 100-12-1200 unt main () unt am 1; Pount ("heater the amount to withdraw:" Scanf (" y.d", & amt); Dount of h oregwood nates cef Rugeels 100:4.d" (as Vorint (" In viequient not es cef oupreses 50°1. d'' (an Possitt (" In required notes of regres 10; 7. d' (au posit) (" In americal still renning = 1.d" (ant oretires o;

1) of the dodal s. P of 15 items & the total profit earned on them is The through the keyhood woulte a pgm to find the cop of one item. 9. P of 15 ûtems = 9/17 = 200 Total profit = I/P = 50. # unclude cstdioh.h> int melin () unt O-P, Sop, profit. Porents (In Enter the selling price 15"); scant (! f 28-P) Ho profit;"); Scant (%) + ", & magit); C-P = (S-P - profut) /15 Poundt (" | n Eost pour of 1 iten is 6 4 of 5 return 0;

operators using wagrams. addition : Eisignment) experies and main () unt a = 10, b=5 3 a+=b; // a=a+5 Dorunt + ("A: 1.d", a) /A=15 a -= \$6 || a = a - 10; Point + (" | n A: Tid,a) //A = 0 0 = 10 // a = a × 10 Downt + (" (n A: 4.00, 10) /A = 100 a/=2// a=a=02 Printf (" | n p = 7. d", a) //p = 5 releaternal) operator: ind main () urt a=10, b=5; Drunt + ("Granter than : 1d, a7b): Pount + ("In durthan , 5). d, ale nut f (" | n Greetes thener Equal: 7.4 a>= rest f(" In lesser than or equal: r-d ac= restf ("In Equal) 1d a== outures . O Crocecter dees on than quelty then or equal = 1 Herrer their or equal = 0

Joqueal operator: 8 decreent all condition true 28 any out of 3 11 of true -> 0 false > 1 int a = 32 print(" Inlogical_AND: Y.d', (a)=3502 al= [00]); + ("p_Inc: Y.d",+ prit (" In loqued - OR: Y.d, "(ax=3511a==100)); print ("p_Inc=Y.d", ++ mode" In loquial - not. y. dislar=35/lac=100) gradiates (an A & y.d", a) Print (Pre- nec: orelare o; 0/1 = 2 off mp 0 OR 1 not o Jeap year find out! und main () Poud ("In Enter the years"); scanf (" % d, & year); uf (year %, 100)=0) { if (year you) =0)

l'apropriet (1.d is lear year", year): Brutt ("y.d as a leap year", y ear): else 2 g(year %. 4 == 0) went ("1. d is leap your", your); g gelset mint (7. dein lægg y

school result managenit. 1. +, vo marks I/r through
the keyboard - 2. Find total & average of the given
maketes - 3. Find the result whether the given many
nucl he = 35. 4. Grade as perthe tollowing

Condition.

90-100-A Grade
60-89-B Grade

90-100-A Grade
60-89-B Grade
70-79-cGrade
270-D Grade
fail No Grade.

unduele < stdio o h >

unt main ()

unt m, m, m, m, m, m, total:

Hoat ang; Pount f ("In Enter 5 marks: In");

scant ("y.dr.d7-d7d7/d" & m1, 8 m2, 8 m3, 8 cmx, 8

total = m, + m2 +m3 +m n+ms

aveg = total /5;

Pount f (" \n Total: Y.d", total);

Point + ("In average: 1, f", dug)-

Epitoraly = 3588 M27 - 3588 M37 = 3588 M37 =

Pount ('In Operate : par ");

4 (aug > = 90 2 2 aug 2 = 100)3

turned late, ter 6-10 derys topine is 50 paire.

The fire is \$\frac{1}{2}\$ & above 10 days

from 30 days your orders the book An und late, ter G-10 de la Every book after 30 days your membership will be canceled, worte a program to accept the number of day the member is late to return the book & desplay the built or the appropriate meets uge unt main() Print + ("In Enter the deups;");
Scart ("of.d; & days); int days . if (rdays >= 1 &2 days 2 = 5) Le Pourté (" | n fine is 2 0.50 paire"); if (days >=6 22 by = 10) E pariet f (" (n prie in Z1"): if Edwys 730 days).
Found-("In the newbearhy will be cance disturn 0;

May inlega is IIP Through the key hound \$12-mother The write a pgm to find oil whethe the DI - Dte (mgs) an odd number or Even number. 化中的 "压" graduate. (oct 10) (use / modules) operator) toapoly sent main 1) | M 3 struck Porist ("I'n Ente the number!"): scant ("1.8, " & 12 Ofe (17.2 = =0): fond (In y.d us even number, n) s else formit + ("/d in odd number", n). return o.