

(19) convert the time entered in hh min and sec. into seconds.

- I) Stop Start
- II) Accept hourse, mins and seconds from user
- III) convert hours to seconds: Hoursec = hours \$ 3600 = 3600
- IV) convert mins to seconds. Mins-sec = min \* 60 = 20 \*60 - 1200
- D Add hour sec, min-sec and sec Total sec = hour-sectmin-sect sec

= 3600 + 60 + = 3600+1200+15 = 4815

VI) print total seconds as output = 4815

VII) stop

@ convert temp from celsius to Fahzenheit (C1S=(F-32)/9)

T) Start

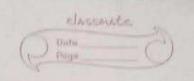
- II) Accept temp. in celsius (c).
- a) convert to celsius to Fahrenheit:

$$F = ((x9) + 32$$

F = 40

- W) Fahzenheit temp.
- V) Stop
- 3 convert Distante given in feet and inches into meter and centimeter.
  - I) Stort
  - II) Accept distant in feet and inche.
  - 111) convert feet to inches: total-inches = (feat x 12) + inch
  - (m) convert inches to centimeters: cm = total-inches x 2.54
  - v) convert centimeters to meters and centimeters

	· I foot 12 theh : Area of pringle = { x bose x height.  · I inch = 2. Such : Area of reclarge = Length x breadth.  · loo cm = 1 maker  in a cm = 1 maker  in a cm = 1 maker  in a cm = 1 maker
	meters = cm 11 100 1 meter, 72.72 cm 50) stop.
6	D WAP to calculate area of triangle and rectangle.
	I) Start
	ID) accept base and neight of the triongle
1	triangle-area = 0.5 x base x height = 0.5 x 10 x 6 = 30
	12) length and breadth of the rectangle.
	v) rectangle area of sectangle:
	sectangle-area = length x breadth = 8 x S = 40
	vi) the Rectangle Azec is 40 and triangule Azec is 30
	w) stop.
1	



with to calculate selling price of book based on cost price and discount.

1) Sterrt

II) The cost price of the book.

ID The discount percentage

(v) calculate discount amount:

discount-amount = (cost price x Discount)/100

= 500 × 10 / 100

2) colculate selling price:

selling-price = cost-price - discount-amount = soo - so = 480.

The Selling price is 450

VII) Stop.

18) WAP to calculate total salary of employee based on basic, da = 10% of basic ta=121. of basic, bra = 151. of basic

- I) start
- I Accept the basic salary of the employee.
- TIP calculate = DA = 10 1. of basic salary
- D) colculate TA = 12% of basic salary
- Dicalculate = 15% of basic I salary.
- Total Solary = Basic + DA+ TA+ HRA-

= 10000+1000+1200+1500 13700

VII) Display DA, TA, HRA and total salary.

JA - 1000

TA = 1200

HRA = 1500

Total salary = 15700

VIII) 5+0P.



Find the sum of three-digit

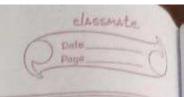
1	
	I) Start
-	I) Enter a three-digit number (say num)
	I Extract the last digit using digit 1 = nam
	= num 1/10. = 482 1. 10 = 2 [] Remove the last digit using hum.
	= hum 110 = 452 1110 = 45
H	V) Extract the second digit using digits
1	= 1000000000000000000000000000000000000
	Remove the second digit using hum = rum 11 10 = 48
1	VII) Extract the first digit using digits = num.
-	m) calculate sum = digit 1 + digit 2 + digit 3
4	= 2 + 4 + 5 + 4

MIII) Display the sum.

Sum= 11

Sum = 11

N) Stop



18 unite a program to swap two numbers using third variable

T) Start

I) Accept two numbers a and b

III) Store the value of a in a temporary variable temp.

10) Assign the value of b to a - 10

V) Assign the value of temp to b. 10

Display the suapped values of a and b

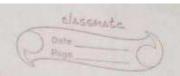
TI) Stop.

1 wap to swap two numbers without using third variable.

I) Start

I) Accept two numbers a and b

III) perform swapping using drithmatic operations:



a = a + b, 12 + 25 = 37 b = a - b, 25 + 37 = 12 a = a - b, 37 - 12 = 25a = 25, b = 12

D) Display the swapped values of a and b

v) Stop

I Stop

I) Three digit-number num.

Di) Extract the last digit -> digit = num 1.10

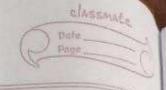
Remove last digit -> num = num // 10

1) Extract the middle digit -> num= num 1.10

M) Remove middle digit -> hum=hum 11 10

VII) Now digits = num (First digit)

Vivi) Form reverse number = digit 1\* 100 + digit\* 10



be Display the reverse humber Number = 456 1) last = 456 / 10 = 6 2) remaining = 456/10 = 45 2) middle = 45/10 = 5

4) first = 45/1 10 = 4

5) reverse = last x 100 + middle x 10 + first = 6x100 + 5x10+4= 654

wap to occept on integer amount from user and tell minimum number of hotes needed for representing that amount.

Il Start

I Accept integer amount from the

11) avoilable note denominations (2000, 500, 200, 100, 50, 20, 10, 5, 2,1)

in each denomination (Starting from highest):

denomination = amount 11 hote

remaining amount = amount 1/2 hote

v) count total hotes.

· amount = 3768

2000 > 3768 /12000 = 1 (remain 1768)

100 -> 68 /100 = 0 (remain 268)

200 -> 1768 /1500 = 3 (remain 268)

200 -> 268 /1200 = 1 (remain 68)

50 -> 68 /1 So = 1 (remain 18)

20 -> 18 /1 20 = 0 (remain 18)

5 -> 8 /1 So = 1 (remain 8)

5 -> 8 /1 S = 1 (remain 8)

2 -> 3 /1 Z = 1 (remain 3)

1 -> 1 /1 1 = 1 (remain 0)

2000 X1, S00 X3, 200 Y1, S0 Y1, 16 Y1, 15 X1

Total notes = 10

5 Stop.