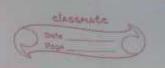
Assignment -1 I write a program to calculate the percentage of student based on marks of any s subject 1) start 11) take the 5 subject marks Sub-1 = 70 Sub.2 = 50 sub3 = 85 sub.4 = 90 sub.5 = 80 m) colleulate obtain marks obt-marks = sub1 + sub2 + sub3 + sub4 + subs = 70+50+85+90+80 D) calculate percentage per - obt-marks * 100 total marks = 375 + 100 = 75 1. 1) Display result percentage of 5 marks of Student is 75% VII Stop

- eige
- I write a program to calculate area of rectangle based on length and breadth.
 - I) Start
 - IT) Take a value of length of breadth

 breadth = 7
 - Area of rectangle = length * breadth
 = 15 +7
 = 103
- Display result

 ... Area of rectangle = 105
- Sbp.
- 3) program to find quotient and remainder of two numbers.
 - I) Start
 - i) take a two value divisor & divided division = 6
 - III) colculate the quotient

```
o = divided 11 division
            50 46 50 11 6
  10) calculate the remainder
          = divided of division
            50 %
  of Display result = 8
         Remainder = 2
  vil stop.
4) Write a program to enter P. T. R and calculate simple Interest.
  I) Start
  I) Take a value P. R&T
     principale amount = 10,000
     Rate of interest per year = 7%
      Time (years) = 2
  III] calculate simple interest
      SI = P* R*T
```



= 10000 #7 # 2

= 1400

IN DISPLAY KSULT

.. simple interest is 1400

V) Stop

5) write a program to enter P.T.R and calculate compound Interest.

I) start

II) Take a value P, R & T P= 100,000 R= 15 7.

T = 3

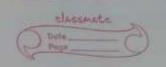
II) calculate the compound interest

CI = p * (1 + P) - P

= 100,000 * (1 + 15)3-100000

= 62.087.50

1 Display xsult .. compound Interest is 52.087.50 if stop. I write a program to input two angles from user and find third angle of the triangle 1) Start 1) take first angle=60 second angle=80 to) calculate third angle: third-angle = 180 - (angle + angle 2) = 180 - (60 + 80) = 180 - 140 you's play Result The third angle of the triangle y stop.



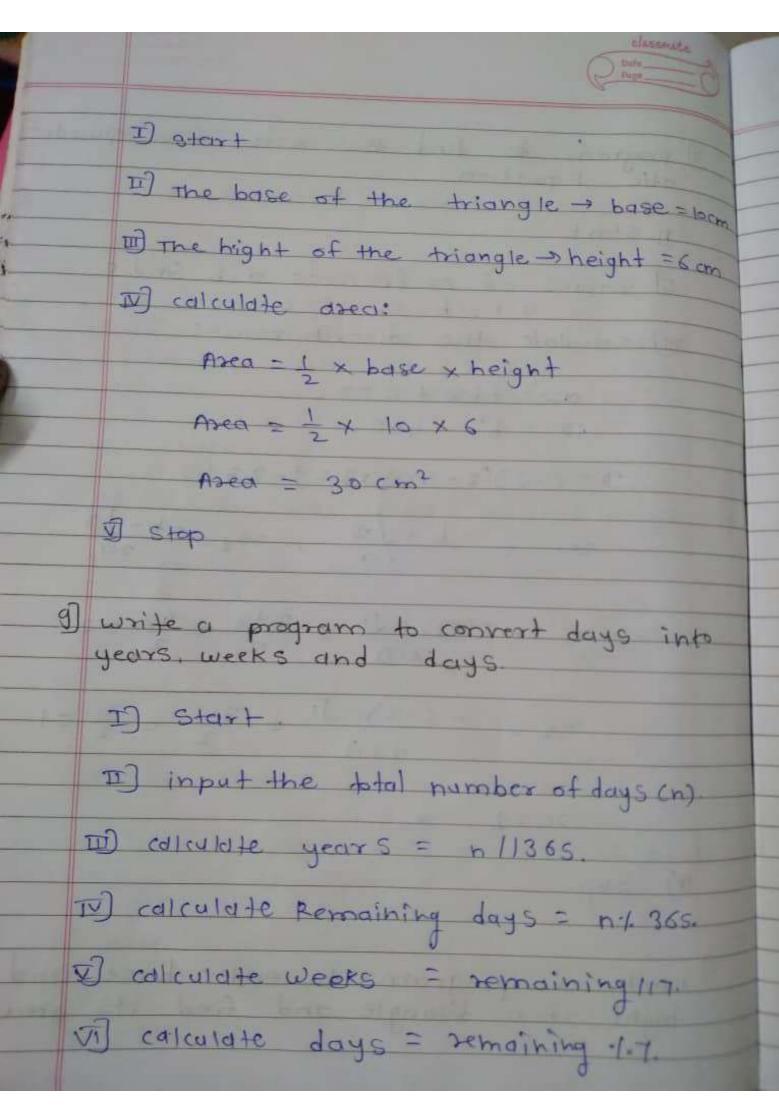
- To program to find the roots of a quadratic Equation.
 - 1) start
 - III values of coefficients a, b and c
 - II) calculate the discriminant:

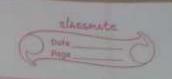
$$8x_1 = -b + \sqrt{0}$$
, $3x_2 = -b - \sqrt{0}$

$$2(1) = \frac{3+1}{2} = \frac{4}{2} = \frac{2}{2}$$

$$3(2 = -(-3) - \sqrt{1} = \frac{3-1}{2} = \frac{2}{2} = 1$$

- IV) stop.
- 8) white a program to enter base and hight of a triangle and find its area.





VIII Display years, weeks, and days.

n= 1329 days

· years = 1329 11365 >3

· remaining days = 1329 1.365

Wtek = 234117

week=33

· Days = 2341.7

Days = 3

VIII) Stop.

19 write a program to calculate area of an equilateral triangle.

I) Start

I) side length a.

m) calculate Area:



$$A = \frac{13}{4} \times 36$$

$$= \frac{13}{4} \times 36$$

$$= 9.13$$

= 15.59 cm²

IV) For side 6, orea ≈ 15.59 cm²

I Find the area and circum ference of circle.

I) Start

II) radius r.

(I) calculate area using formula:

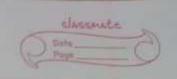
· Area = Tr2

TT-2 = 3.1416 x 72

Axa = 153.94 cm2

· circum ference = 2 TTr 2 TTr = 2 x 3.1416 x7 = 43.98 cm.

D) Stop.



- 12) Find the volume of sphere.
 - J) Step +
 - ID rodius r.
 - m) calculate volume radius:

volume = 4 7123

= 500 11

= 5 23.6 cm3

₩ For radius = S cm -> 523.6 cm²

Stop.