Basic Task Topic

Q. Write a program to find the lowest among three numbers.

Q. Write a program to find the greatest among three numbers.

Q. Write a program (WAP) to print month in word by given number i.e month. Used switch-case.

Q. WAP to print number from 1 to 50

Used 'for'
Used 'while'
Used 'do while'

Q. WAP to print even numbers from 1 to 50

Used 'for'
Used 'while'
Used 'do while'

Q. WAP to print odd numbers from 1 to 50

Used 'for'
Used 'while'
Used 'do while'

Q. WAP to demonstrate the calculator. In calc, show operations of additions, subtraction, multiplication and division, etc.

Q. WAP to convert temperature from the scale Fahrenheit to Celsius.

$C = 5/9 \times (F-32)$

Q. WAP to convert temperature from the scale Celsius to Fahrenheit.

$F = C \times (9/5)+32$

Q. Write a program (WAP) to demonstrate the operation for expression of a particular shape.

Shapes are

1) Circle
    Expression are

Diameter of a Circle => D = 2 × r
Circumference of a Circle => C = 2 × pi × r
Area of a Circle => A = pi × r ^ 2

Where, r = Radius of the Circle

2) Square

Expression are

Area of a Square => A = a^2
Perimeter of a Square => P = 4a

Where a = Length of the sides of a Square

3) Rectangle

Expression are

Perimeter of a Rectangle => P = 2(l+b)
Area of a Rectangle => A = l×b

Where, l = Length ; b = Breadth

3)Triangle

Area of a Triangle => A = (1/2)×b×h

Where, b = base of the triangle; h = height of the triangle

4) Trapezoid

Expression are

Area of a Trapezoid => A = (1/2)×(b1 + b2)×h

Where b1 & b2 are the bases of the Trapezoid; h = height of the Trapezoid

5) Cube

Expression are

Surface Area of a Cube => S = 6a^2

Where, a = Length of the sides of a Cube

6) Cylinder

Expression are

Curved surface area of a Cylinder = 2πrh
Total surface area of a Cylinder = 2πr(r + h)
Volume of a Cylinder = V = πr^2h

Where, r = Radius of the base of the Cylinder; h = Height of the Cylinder, π is pi

7) Cone

Expression are

Curved surface area of a cone = πrl
Total surface area of a cone => πr(r+l) = πr[r+√(h^2+r^2)]
Volume of a Cone => V = (1/3)×πr^2h

Where, r = Radius of the base of the Cone, h = Height of the Cone

8) Sphere

Expression are

Surface Area of a Sphere => S = 4πr^2
Volume of a Sphere => V = 4/3×πr^3

Where, r = Radius of the Sphere

Q.