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20P-0750

Conditional statements Tasks.

Task no:1

```
temp=float(input("Insert the temperature to convert:"))
result = input("Type c for convert to Celsius and
                 F for Fahrenheit:")
if result == 'F':
    convert = (9*temp+32*5)/5
    print("Fahrenheit is :", convert)
elif result == 'C':
    convert = (5*temp - 32*5)/9
    print("Celsius is :", (convert)
```

Task no: 2

```
x = int (input ("enter size :-"))
y = int (input ("enter size : "))
z = int (input ("enter size :"))
if x == y == z:
    print ("equilateral triangle")
elif x == y != z or x != y == z or x == z != y:
    print ("isoceles triangle")
else:
    print ("scalene triangle")
```

Task no: 3

```python
r = int (input ("enter radious of circle :"))
if r > 0:
    from math import pi
    Area = pi*r*r
    print ("area of circle is ", Area).
else:
    print ("invalid input")
```

```
import math
w = int (input ("Enter length:"))
L = int (input ("Enter width:"))
a = input ("press [1] for area\npress [2] for
          perimeter\npress [3] for diagonal:")
if (a == "1"):
    area = L * w
    print ("Area :", area)
elif (a == "2"):
    perimeter = (2 * L) + (2 * w)
    print ("perimeter:", perimeter)
elif (a == "3"):
    diagonal = (L * L) + (w * w)
    diagonal = math. sqrt (diagonal)
    print ("Diagonal :", diagonal)
else:
    print ("invalid input")
```