ALGORITHM:

Start

Input temperature value.

Select the source unit (C, F, or K).

Select the target unit (C, F, or K).

Perform the conversion using the appropriate formula:

- Celsius to Fahrenheit: $F=(C\times 9/5)+32F=(C\setminus 1)+32F=(C\times 9/5)+32F=(C\times 9/5)+32F=(C\times$
- Celsius to Kelvin: K=C+273.15K = C + 273.15K=C+273.15
- Fahrenheit to Celsius: $C=(F-32)\times 5/9C = (F-32)\times 5/9C = (F-32)\times$
- Fahrenheit to Kelvin: $K=(F-32)\times 5/9+273.15K = (F-32) \times 5/9 + 273.15K = (F-32)\times 5/9+273.15$
- Kelvin to Celsius: C=K-273.15C = K 273.15C=K-273.15
- Kelvin to Fahrenheit: $F=(K-273.15)\times 9/5+32F=(K-273.15)\setminus 15/5+32F=(K-273.15)\times 9/5+32F=(K-273.15)\times 9/5+3$

Display the converted result with the appropriate unit.

Ask if the user wants to perform another conversion.

- If yes, go to step 2.
- If no, exit.

End

PSUEDOCODE:

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BEGIN
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PRINT "Temperature Conversion Tool"

DO

PRINT "Enter temperature value: "

INPUT temp_value

PRINT "Select source unit (C, F, K): "

INPUT source unit
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PRINT "Select target unit (C, F, K): "
  INPUT target_unit
  IF source_unit = 'C' AND target_unit = 'F' THEN
    result = (temp_value * 9/5) + 32
  ELSE IF source_unit = 'C' AND target_unit = 'K' THEN
    result = temp_value + 273.15
  ELSE IF source_unit = 'F' AND target_unit = 'C' THEN
    result = (temp_value - 32) * 5/9
  ELSE IF source_unit = 'F' AND target_unit = 'K' THEN
    result = (temp_value - 32) * 5/9 + 273.15
  ELSE IF source_unit = 'K' AND target_unit = 'C' THEN
    result = temp_value - 273.15
  ELSE IF source_unit = 'K' AND target_unit = 'F' THEN
    result = (temp_value - 273.15) * 9/5 + 32
  ELSE
    PRINT "Invalid unit selection!"
    CONTINUE
  ENDIF
  PRINT "Converted Temperature: ", result, target_unit
  PRINT "Do you want to convert another temperature? (yes/no)"
  INPUT choice
WHILE choice = "yes"
```

END

FLOWCHART:

