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## PW Serie No. 4: Conditional Control Structures

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### Exercise 01:

```
Algorithm CategorizeTemperature
var temperature : real
    category: string

Begin
write("give me the value of temperature")
Read (temperature)

If temperature > 30 then
    category ← "Hot"
Else
    if temperature >= 20 and temperature <= 30 then
        category ← "Warm"
    Else
        category ← "Cold"
    Endif
Endif
Write ("The temperature is categorized as: ", category)
End
```

### Questions for Execution:

- 1) Compile and execute the algorithm for the following values:  
**temperature = 45, 19, -12**
  - What will be the output?
- 2) Translate the algorithm into a program in Python.

### Exercise 02:

Write a Python program that takes three numbers as input and prints the **MIN** among them.

### Exercise 03:

Write a Python program that takes an integer input and detects whether this number is even, odd or zero.

### Exercise 04:

Write a Python program that takes a passenger's age as input and calculates the ticket price based on the following conditions:

- If the age is 0-2, the ticket is free.
- If the age is 3-12, the ticket is \$10.
- If the age is 13-18, the ticket is \$15.
- If the age is 19 or older, the ticket is \$20.