**Celsius to Fahrenheit temperature converter**

Write a program that converts Celsius temperatures to Fahrenheit temperatures. The user will enter their name and current Celsius temperature. The program will compute the Fahrenheit temperature. The output will be similar to the following:

*Jeremy’s Fahrenheit temperature: 68*

**ALGORITHM**

1. Ask user name
2. Ask user for temperature
3. Calc Fahrenheit temperature by formula: (9/5)C+32
4. Display name
5. Display Fahrenheit temperature

**VARIABLES**

userName (str)

temperature(float)

fahTemp(float)

**FORMULAS**

fahTemp=(9/5) \* temperature+32

**TEST DATA – 5 complete data sets**

|  |  |  |  |
| --- | --- | --- | --- |
| **Input**  **userName** | **Input**  **temperature** | **Process**  **Calc**  **fahTemp= (9/5) \* temperature +32** | **Display/Output**  **User’s Name Fahrenheit Temperature: fahTemp** |
| Jeremy | 20 | (9/5) \* 20+32 = 68 | Jeremy’s Fahrenheit temperature: 68 |
| Payne | 30 | (9/5) \* 30+32 = 86 | Payne’s Fahrenheit temperature: 86 |
| Jones | 40 | (9/5) \* 40+32 = 104 | Jones’s Fahrenheit temperature: 104 |
| James | 35 | (9/5)\* 35 +32 = 95 | James’s Fahrenheit temperature: 95 |
| Kate | 25 | (9/5) \* 25 + 32 = 77 | Kate’s Fahrenheit temperature: 77 |

**PROGRAM FLOWCHART**



**TEST DATA EXECUTION RESULTS**

#################################### TEST 1 ##################################

Please enter your name:

Jeremy

Please enter your Celsius temperature:

20

Jeremy 's Fahrenheit Temperature: 68.0

#################################### TEST 2 ##################################

Please enter your name:

Payne

Please enter your Celsius temperature:

30

Payne 's Fahrenheit Temperature: 86.0

#################################### TEST 3 ##################################

Please enter your name:

Jones

Please enter your Celsius temperature:

40

Jones 's Fahrenheit Temperature: 104.0

#################################### TEST 4 ##################################

Please enter your name:

James

Please enter your Celsius temperature:

35

James 's Fahrenheit Temperature: 95.0

#################################### TEST 5 ##################################

Please enter your name:

Kate

Please enter your Celsius temperature:

25

Kate 's Fahrenheit Temperature: 77.0