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| **IPO chart** | | **C++ code** |
| **Inputs:** | |  |
| input Temp |  |  |
| input Scale |  |  |
|  | |  |
| **Output:** | |  |
| output Temp |  |  |
| output Scale |  |  |
|  | |  |
| **Processing steps:** | |  |
| Get input temp and scale. | | inputTemp = float( input( “Give temp: “ ) ) |
|  | | inputScale = input( “Give scale: “ ) |
| If input scale is Fahrenheit Then | |  |
|  | |  |
| Calculate output temp as input temp – 32. | |  |
| Multiply output temp X 5/9. | |  |
| Set output scale to Centigrade. | |  |
|  | |  |
| Else | |  |
|  | |  |
| Calculate output temp as input temp X 9/5. | |  |
| Add 32 to output temp. | |  |
| Set output scale to Fahrenheit. | |  |
| Endif | |  |
|  | |  |
| Display output temp and scale. | |  |
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