

05-07-2024

<https://www.javatpoint.com/setf-in-cpp>

## FLAGS & THEIR SIGNIFICANCE =>

- > `ios::dec`:- This flag indicates that o/p should be exhibited in decimal format, which is the base 10.
- > `ios::oct`:- It designates the out o/p to be displayed in octal format, adhering to the base 8.
- > `ios::hex`:- It specifies that the o/p should adopt a hexadecimal format, which employs base 16.
- > `ios::showbase`:- When it is activated, this flag ensures that the base indicator is shown when rendering numbers.  
For instance, it would display "0x" for hexadecimal numbers.
- > `ios::uppercase`:- This flag enforces the use of uppercase characters when displaying hexadecimal values.
- > `ios::left`:- This flag represents the default behaviour of left-aligning the output.
- > `ios::right`:- This flag represents the default behaviour of right-aligning the output.
- > `ios::fixed`:- When it is applied, this flag ensures that floating point numbers are displayed in fixed point notation.
- > `ios::scientific`:- This flag commands the display of floating point numbers in scientific notations.
- > `ios::showpoint`:- Activation of this flag mandates the display of the decimal point & trailing zeros for floating-point numbers.
- > `ios::setw(n)`:- This function enables the programmer to set the width of the output field to n-characters.