|  |  |
| --- | --- |
| **C** | **Java** |
| For math functions, explicitly include math.h | No need to explicitly import any package for math functions. |
| Float values and operations can be stored in integer, it’ll implicitly typecast it to int. | Only smaller data types can be stored in larger data type and that too should be compatible. |
| Int and char are convertible automatically. | Int and char aren’t compatible so needed to explicitly convert. |
| Here we can handle string as array and traverse elements by using array index notation. | Here string is not an array and so we have to traverse its elements using charAt function. |
| Must have to include stdio.h | Java.lang is by default included. |
| Here we don’t have any length method for arrays. For such purpose we have to do sizeof(array variable)/sizeof(datatype). | We have length for arrays and length() method for string. |
| Here we have sizeof() method in C. | We don’t have any such sizeof() method in Java. |
| In C we have 1 for true and 0 for false i.e. 1 and 0 are interconvertible to true and false automatically. | In Java we don’t have such conversion as such automatically and we can’t type cast Boolean to int as well. |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |