**Function Overloading**

Function overloading is a process to make more than one function with the same name but different parameters, numbers, or sequences. Now, there are a few conditions and any number of functions with the same name following any of these are called overloaded.

**Same name but different data type of parameters**

Example

float sum(int a, int b);

float sum(float a, float b);

**Same name but a different number of parameters**

Example

float sum(int a, int b);

float sum(int a, int b, int c);

**Same name but different parameter sequence**

Example

float sum(int a, float b);

float sum(float a, int b);

Exact matches are always preferred while looking for a function that has the same set of parameters.