A method declaration has the following parts:

- (return\_type) function\_name:( argumentType1 )argumentName1

joiningArgument2:( argumentType2 )argumentName2 ...

joiningArgumentn:( argumentTypen )argumentNamen;

For the above-defined function max(), following is the method declaration:

-(int) max:(int)num1 andNum2:(int)num2;

**Simple Block declaration syntax**

returntype (^blockName)(argumentType);

Simple block implementation

returntype (^blockName)(argumentType)= ^{

};

## Here is a simple example

void (^simpleBlock)(void) = ^{

NSLog(@"This is a block");

};

## We can invoke the block using

simpleBlock();

Here is a simple example to implement and invoke a block with arguments and return values.

double (^multiplyTwoValues)(double, double) =

^(double firstValue, double secondValue) {

return firstValue \* secondValue;

};

double result = multiplyTwoValues(2,4);

NSLog(@"The result is %f", result);