**NSNUMBER**

#import <Foundation/Foundation.h>

int main ()

{

NSNumber \*myNumber;

myNumber = [NSNumber numberWithFloat:3.47];

NSLog (@**"The value in NSNumber = %@"**, myNumber);

return 0;

}

The code above generates the following result.

http://www.java2s.com/Tutorials/Objective_CImage/myResult/D/DESCRIPTION__67EFD5DF6EB57A7FA556.PNG

The following code shows how to use NSNumber to multiply two numbers and returns the product.

#import <Foundation/Foundation.h>

@**interface** SampleClass:NSObject

- (NSNumber \*)multiplyA:(NSNumber \*)a withB:(NSNumber \*)b;

@end

@implementation SampleClass

- (NSNumber \*)multiplyA:(NSNumber \*)a withB:(NSNumber \*)b

{

float number1 = [a floatValue];

float number2 = [b floatValue];

float product = number1 \* number2;

NSNumber \*result = [NSNumber numberWithFloat:product];

return result;

}

@end

int main()

{

NSAutoreleasePool \* pool = [[NSAutoreleasePool alloc] init];

SampleClass \*sampleClass = [[SampleClass alloc]init];

NSNumber \*a = [NSNumber numberWithFloat:10.5];

NSNumber \*b = [NSNumber numberWithFloat:10.0];

NSNumber \*result = [sampleClass multiplyA:a withB:b];

NSString \*resultString = [result stringValue];

NSLog(@**"The product is %@"**,resultString);

[pool drain];

return 0;

}

**Convert Float NSNumber to String**

#import <Foundation/Foundation.h>

int main (int argc, **const** char \* argv[])

{

float fNumber = 12;

NSString \*floatToString = [NSString stringWithFormat:@**"%f"**, fNumber];

NSLog(@**"floatToString = %@"**, floatToString);

NSNumber \*number = [NSNumber numberWithFloat:30];

NSString \*numberToString = [number stringValue];

NSLog(@**"numberToString = %@"**, numberToString);

return 0;

}

The code above generates the following result.



**String to Number**

#import <Foundation/Foundation.h>

int main (int argc, **const** char \* argv[])

{

NSString \*aFloatValue = @**"12.50"**;

float f = [aFloatValue floatValue];

float result = f \* 2 + 45;

NSLog(@**"f = %f and result = %f"**, f, result);

NSNumber \*aFloatNumber = [NSNumber numberWithFloat:[aFloatValue floatValue]];

NSLog(@**"aFloatNumber = %@"**, aFloatNumber);

return 0;

}

The code above generates the following result.



**Format a Number**

#import <Foundation/Foundation.h>

int main (int argc, **const** char \* argv[])

{

NSNumber \*numberToFormat = [NSNumber numberWithFloat:9.99];

NSLog(@**"numberToFormat = %@"**, numberToFormat);

NSNumberFormatter \*numberFormatter = [[NSNumberFormatter alloc] init];

numberFormatter.numberStyle = NSNumberFormatterCurrencyStyle;

NSLog(@**"Formatted for currency: %@"**, [numberFormatter stringFromNumber:

numberToFormat]);

numberFormatter.numberStyle = NSNumberFormatterSpellOutStyle;

NSLog(@**"Formatted for spelling out: %@"**, [numberFormatter stringFromNumber

:numberToFormat]);

return 0;

}