**NSDATE**

**Create Today's Date**

#import <Foundation/Foundation.h>

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

{

NSDate \*todaysDate = [NSDate date];

NSLog(@**"Today's date is %@"**, todaysDate);

return 0;

}

The code above generates the following result.

http://www.java2s.com/Tutorials/Objective_CImage/myResult/C/CREATE_TODAY_S_DATE__67E5A1B41EDDAB414538.PNG

**Create Custom Dates**

#import <Foundation/Foundation.h>

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

{

NSDateComponents \*dateComponents = [[NSDateComponents alloc] init];

dateComponents.year = 2007;

dateComponents.month = 6;

dateComponents.day = 29;

dateComponents.hour = 12;

dateComponents.minute = 01;

dateComponents.second = 31;

dateComponents.timeZone = [NSTimeZone timeZoneWithAbbreviation:@**"PDT"**];

NSDate \*iPhoneReleaseDate = [[NSCalendar currentCalendar] dateFromComponents:dateComponents];

NSLog(@**"The original iPhone went on sale: %@"**, iPhoneReleaseDate);

return 0;

}

The code above generates the following result.

http://www.java2s.com/Tutorials/Objective_CImage/myResult/C/CREATE_CUSTOM_DATES__FE5D1E737BA1A9EF8ED6.PNG

**Adding and Subtracting Dates**

#import <Foundation/Foundation.h>

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

{

NSString \*dateString = @**"02/14/2012"**;

NSDateFormatter \*df = [[NSDateFormatter alloc] init];

df.dateFormat = @**"MM/dd/yyyy"**;

NSDate \*valentinesDay = [df dateFromString:dateString];

NSLog(@**"Valentine's Day = %@"**, valentinesDay);

NSDateComponents \*weekBeforeDateComponents = [[NSDateComponents alloc] init];

weekBeforeDateComponents.week = -1;

NSDate \*vDayShoppingDay = [[NSCalendar currentCalendar] dateByAddingComponents:weekBeforeDateComponents toDate:valentinesDay options:0];

NSLog(@**"Shop for Valentine's Day by %@"**, vDayShoppingDay);

return 0;

}