1. Create a simple View based application.

2. Select your project file, then select targets and then add MapKit.framework and Corelocation.framework

3. Add a MapView to ViewController.xib and create an ibOutlet and name it as mapView.

4. Now create a new class as MapAnnotation with "sub class of" as NSObject.

5. Now update your MapAnnotation.h as follows.

**#import <Foundation/Foundation.h>**

**#import <MapKit/MapKit.h>**

**@interface MapAnnotation : NSObject<MKAnnotation>**

**@property (nonatomic, strong) NSString \*title;**

**@property (nonatomic, readwrite) CLLocationCoordinate2D coordinate;**

**- (id)initWithTitle:(NSString \*)title andCoordinate:**

**(CLLocationCoordinate2D)coordinate2d;**

**@end**

6. Now update your MapAnnotation.m as follows

**#import "MapAnnotation.h"**

**@implementation MapAnnotation**

**-(id)initWithTitle:(NSString \*)title andCoordinate:**

**(CLLocationCoordinate2D)coordinate2d{**

**self.title = title;**

**self.coordinate =coordinate2d;**

**return self;**

**}**

**@end**

7. Update ViewController.h as follows.

**#import <UIKit/UIKit.h>**

**#import <MapKit/MapKit.h>**

**#import <CoreLocation/CoreLocation.h>**

**@interface ViewController : UIViewController<MKMapViewDelegate>**

**{**

**MKMapView \*mapView;**

**}**

**@end**

8. Update ViewController.m is as follows.

**#import "ViewController.h"**

**#import "MapAnnotation.h"**

**@interface ViewController ()**

**@end**

**@implementation ViewController**

**- (void)viewDidLoad**

**{**

**[super viewDidLoad];**

**mapView = [[MKMapView alloc]initWithFrame:**

**CGRectMake(10, 100, 300, 300)];**

**mapView.delegate = self;**

**mapView.centerCoordinate = CLLocationCoordinate2DMake(37.32, -122.03);**

**mapView.mapType = MKMapTypeHybrid;**

**CLLocationCoordinate2D location;**

**location.latitude = (double) 37.332768;**

**location.longitude = (double) -122.030039;**

**// Add the annotation to our map view**

**MapAnnotation \*newAnnotation = [[MapAnnotation alloc]**

**initWithTitle:@"Apple Head quaters" andCoordinate:location];**

**[mapView addAnnotation:newAnnotation];**

**CLLocationCoordinate2D location2;**

**location2.latitude = (double) 37.35239;**

**location2.longitude = (double) -122.025919;**

**MapAnnotation \*newAnnotation2 = [[MapAnnotation alloc]**

**initWithTitle:@"Test annotation" andCoordinate:location2];**

**[mapView addAnnotation:newAnnotation2];**

**[self.view addSubview:mapView];**

**}**

// When a map annotation point is added, zoom to it (1500 range)

**- (void)mapView:(MKMapView \*)mv didAddAnnotationViews:(NSArray \*)views**

**{**

**MKAnnotationView \*annotationView = [views objectAtIndex:0];**

**id <MKAnnotation> mp = [annotationView annotation];**

**MKCoordinateRegion region = MKCoordinateRegionMakeWithDistance**

**([mp coordinate], 1500, 1500);**

**[mv setRegion:region animated:YES];**

**[mv selectAnnotation:mp animated:YES];**

**}**

**- (void)didReceiveMemoryWarning**

**{**

**[super didReceiveMemoryWarning];**

**// Dispose of any resources that can be recreated.**

**}**

**@end**

**Combined from Frederick Sundeep Mallela (IOS Tutorials ) and the NSCookbook geoCoding Section**