

## Display Elements of a NSMutableDictionary object

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This example shows you how to enumerate through values of a NSMutableDictionary.

```
main.m // iterating through a NSMutableDictionary#import <Foundation/Foundation.h>
```

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

    @autoreleasepool {

        NSLog(@"Play With Strings");

        NSMutableDictionary *dict = [NSMutableDictionary dictionary];

        // 'house' is the key, 'casa' is the data
        // by the way 'casa' means 'house' in Spanish
        [dict setObject:@"casa" forKey:@"house"];
        [dict setObject:@"gato" forKey:@"cat"];
        [dict setObject:@"perro" forKey:@"dog"];
        [dict setObject:@"ratón" forKey:@"mouse"];

        // Display an element of the dictionary using a key
        NSString *word = [dict objectForKey:@"dog"];
        NSLog(@"Spanish word for 'dog' is: %@", word);

        // Example 1, Iterate through dictionary (fast enumeration
        // by enumerating the key, then we use the key to get the value
        for (id key in dict) {

            NSString *val2 = [dict objectForKey:key];

            NSLog(@"Key(english): %@, Value(spanish): %@", key, val2);

        }

        // Example 2, Enumerate the values using NSEnumerator

        NSEnumerator *enumerate = [dict objectEnumerator];
```

```
id val;

while ((val = [enumerate nextObject]) {
    NSLog(@"Value(spanish): %@",val);
}
}

return 0;
}
```