

## Display Elements of a NSDictionary object

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This example shows you how to enumerate through values of a NSDictionary. In next source code example there are two variants, first enumerates displaying values, second example will display keys and values.

```
main.m // example for displaying values from a NSDictionary object#import <Foundation/Foundation.h>
```

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

```
{

    @autoreleasepool {

        NSLog(@"Play With Strings");

        NSDictionary *dict = [NSDictionary dictionaryWithObjectsAndKeys:
            @"casa", @"house",
            @"gato", @"cat",
            @"perro", @"dog",
            @"ratón", @"mouse",
            nil];

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

        // Iterate through dictionary
       NSEnumerator *enumerate = [dict objectEnumerator];
        id val;

        int count=1;

        // First Variant, print values
        while ((val = [enumerate nextObject])) {
            NSLog(@"Word %d: %@",count, val);
            count++;
        }
    }
}
```

```
}  
  
// Second Variant, print values and keys  
for (id key in dict) {  
    NSString *val2 = [dict objectForKey:key];  
    NSLog(@"Key(english): %@, Value(spanish): %@", key, val2);  
}  
}  
return 0;  
}
```