OBJECTIVE-C - NESTED SWITCH STATEMENTS

It is possible to have a switch as part of the statement sequence of an outer switch. Even if the case constants of the inner and outer switch contain common values, no conflicts will arise.

Syntax:

The syntax for a **nested switch** statement is as follows:

```
switch(ch1) {
   case 'A':
      printf("This A is part of outer switch" );
      switch(ch2) {
         case 'A':
            printf("This A is part of inner switch" );
            break;
         case 'B': /* case code */
      }
      break;
   case 'B': /* case code */
}
```

Example:

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

int main ()
{
   /* local variable definition */
   int a = 100;
   int b = 200;

   switch(a) {
      case 100:
         NSLog(@"This is part of outer switch\n", a );
         switch(b) {
            case 200:
               NSLog(@"This is part of inner switch\n", a );
         }
   }
   NSLog(@"Exact value of a is : %d\n", a );
   NSLog(@"Exact value of b is : %d\n", b );

   return 0;
}
```

When the above code is compiled and executed, it produces the following result:

```
2013-09-07 22:09:20.947 demo[21703] This is part of outer switch
2013-09-07 22:09:20.948 demo[21703] This is part of inner switch
2013-09-07 22:09:20.948 demo[21703] Exact value of a is : 100
2013-09-07 22:09:20.948 demo[21703] Exact value of b is : 200
```