Here is sequence of steps to see the name mangling techniques of C++ compiler if you are interested in exploring on your own machine. I am using gcc compiler on Ubuntu environment version 15.04

Type the code

```
namemangle02.cpp (~/CPPPrograms) - gedit
                  Save
        Open
                                    🐧 Undo  🦳
namemangle02.cpp ×
#include<iostream>
using namespace std;
class integer
        public:
                void print(int x)
                         cout << x << endl;
                 void print(float y)
                 {
                         cout << y << endl;
                 void print(char ch)
                 {
                         cout << ch << endl;
                 void print(double d)
                 {
                         cout << d << endl;
                 }
};
int main()
        integer in;
        in.print(5);
        in.print(3.4f);
        in.print('A');
        in.print(9.81);
        return 0;
                   C++ v Tab Width: 8 v
                                           Ln 34, Col 1
                                                          INS
```

Save the file in a proper folder created by you. I have saved file with name "namemangle02.c" in a on drive C in a folder "CPPPrograms"

Open the terminal (Ctrl+Alt+T)

```
⊗ ⊝ □ sir@sir-Inspiron: ~
sir@sir-Inspiron: ~$
```

Change directory using CD command

```
⊗ 😑 📵 sir@sir-Inspiron: ~
sir@sir-Inspiron: ~$ cd CPPPrograms
```

Compile the file using the command **gcc <name of the source code file>**

The object file **a.out** would be created.

Type the command **nm a.out** to get the object file

```
😰 🖨 🗊 sir@sir-Inspiron: ~/CPPPrograms
08049f08 d JCR LIST
         w _Jv_RegisterClasses
080489b0 T __libc_csu_fini
08048950 T __libc_csu_init
         U __libc_start_main@@GLIBC_2.0
0804879b T main
08048710 t register_tm_clones
         U __stack_chk_fail@@GLIBC_2.4
080486a0 T _start
0804a044 D __TMC_END__
080486d0 T __x86.get_pc_thunk.bx
08048828 t _Z41__static_initialization_and_destruction_0ii
080488dc W _ZN7integer5printEc
08048910 W _ZN7integer5printEd
080488b0 W _ZN7integer5printEf
08048884 W _ZN7integer5printEi
         U _ZNSolsEd@@GLIBCXX_3.4
         U _ZNSolsEf@@GLIBCXX_3.4
         U ZNSolsEi@GLIBCXX 3.4
         U _ZNSolsEPFRSoS_E@@GLIBCXX_3.4
         U _ZNSt8ios_base4InitC1Ev@@GLIBCXX_3.4
         U _ZNSt8ios_base4InitD1Ev@@GLIBCXX_3.4
0804a080 B _ZSt4cout@@GLIBCXX_3.4
         U ZSt4endlIcSt11char traitsIcEERSt13basic_ostreamIT_T0_ES6_@@GLIBCXX_3
0804a10d b _ZStL8__ioinit
         U _ZStlsISt11char_traitsIcEERSt13basic_ostreamIcT_ES5_c@@GLIBCXX_3.4
sir@sir-Inspiron:~/CPPPrograms$
```