

```
1 #include "person-record.h"
2 #include <stdio.h>
3
4 /****
5 *
6 * Implementation of person-record.h.
7 *
8 */
9 void printPersonRecordV1(PersonRecordV1 prv1) {
10     printf("    Name: %s\n    Id: %d\n    Address: %s\n    Age: %d\n\n",
11         prv1.name, prv1.id, prv1.address, prv1.age);
12 }
13
14 void printPersonRecordV1p(PersonRecordV1* prvp) {
15     printf("    Name: %s\n    Id: %d\n    Address: %s\n    Age: %d\n\n",
16         prvp->name, prvp->id, prvp->address, prvp->age);
17 }
18
19 void printPersonRecordV2(PersonRecordV2 prv2) {
20     printf("    Name: %s\n    Id: %d\n    Address: %s\n    Age: %d\n\n",
21         prv2.name, prv2.id, prv2.address, prv2.age);
22 }
23
24 void printPersonRecordV3(PersonRecordV3 prv3) {
25     printf("    Name: %s %c %s\n    Id: %d\n    Address: %d %s %s, %s %s %d \n    Age: %d\n\n",
26         prv3.name.first,
27         prv3.name.middle_initial == '\0' ? '\b' : prv3.name.middle_initial,
28         prv3.name.last,
29         prv3.id, prv3.address.number, prv3.address.street, prv3.address.city,
30         prv3.address.state, prv3.address.country, prv3.address.zip, prv3.age);
31 }
```