*Assuming the given memory layout, find out the output of the following program.*

```cpp
#include <iostream>

using namespace std;


void main()
{
    int *p, *q, x, y;
      x = 6;
      y = 7;
      p = &x;
      q = &y;
      cout<< p << endl;
      cout<< *p << endl;
      cout<< q << endl;
      cout<< *q << endl;
      cout<< x << endl;
      cout<< y << endl;
      cout<< &x << endl;
      cout<< &y << endl;
      cout<< &p << endl;
      cout<< &q << endl;

}
```

**RAM**

| | | |
|---|---|---|
| | 0 | |
| | 4 | |
| q | 8 | 0x69107ffb40 |
| | 12 | |
| | 16 | |
| y | 20 | 0x69107ffb38 |
| | 24 | |
| x | 28 | 0x69107ffb3c |
| | 32 | |
| | 36 | |
| p | 40 | 0x69107ffb48 |
| | 44 | |
| | 48 | |

### *Output:*

0x69107ffb3c

6

0x69107ffb3c

7

6

7

0x69107ffb3c

0x69107ffb38

0x69107ffb48

0x69107ffb40