

memory

address:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
value:	?	5	7	?												?

```
int main(){  
    int a;  
    int b=5;  
    int c=7;  
    cout<<a<<" "<<b<<" "<<c<<endl;  
    return 0;  
}
```

The diagram illustrates the memory layout and variable storage for the provided C++ code. A memory table shows addresses 0 to 14. Address 0 contains a question mark, address 1 contains the value 5, address 2 contains the value 7, and address 3 contains a question mark. A horizontal orange line spans from address 4 to address 14. Below the table, the C++ code is shown. Blue arrows indicate the storage of variables: 'a' is stored at address 0, 'b' is stored at address 1, and 'c' is stored at address 2. Red arrows indicate the output of the cout statement: the first 'a' is output from address 0, the first 'b' is output from address 1, and the first 'c' is output from address 2.