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Lab 8 – Question 1

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| cout | Expected output (just write down the values of m and n, such as "main: m=1 n=7") | Observed  output | Questions |
| line 58 | main : m=1, n=7 | main : m=1, n=7 |  |
| line 59->109 | U: m=7, n=7  main : m=7, n=7 | U: m=7, n=7 |  |
| line 60 | main : m=7, n=7 | main : m=7, n=7 |  |
| line 61->120 | global m=5 | global m=5 | What does **extern**do here?  Extern extends the scope of the variable to the entire program |
| line 61->122 | A: m=3 | A: m=3 |  |
| line 62 | main : m=5, n=7 | main : m=5, n=7 |  |
| line 75 | block : m=5, n=100 | block : m=5, n=100 |  |
| line 76->109 | U: m=100, n=100 | U: m=100, n=100 |  |
| line 77 | block : m=100, n=100 | block : m=100, n=100 |  |
| line 85 | block : m=-40, n=100 | block : m=-40, n=100 |  |
| line 86->128 | val : x=-40 | val : x=-40 |  |
| line 87 | block : m=-40 | block : m=-40 |  |
| line 88->135 | ref : \*x=-40 | ref : \*x=-40 | Whose address does the **x** in **addr(..)**refer to? is it the address of global **m**? the**m** declared in main or**m** declared in block?  x in addr() is referencing the data in address, m, of the block. |
| line 89 | block : m=-40 | block : m=5 |  |
| line 93 | main : m=5, n=7 | main : m=100, n=7 |  |