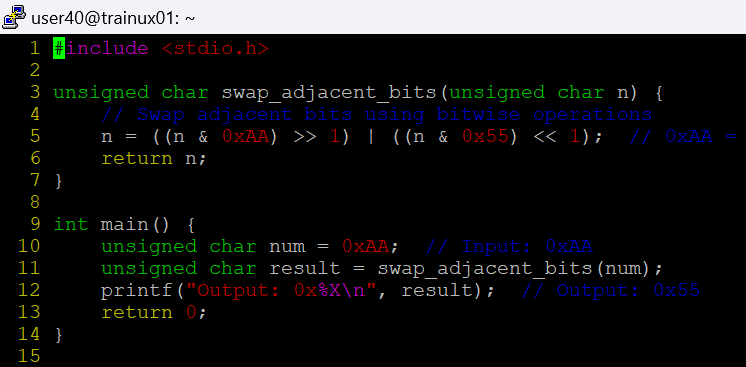
**Bitwise Operators Assignment**

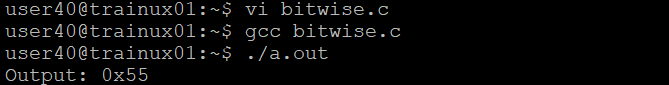
Mandatory

**Q1. WAP to read a 8 bit unsigned integer, interchange the adjacent bits i.e D0 with D1, D2 with D3….. D6 with D7. Display the final number.**

Input: 0xAA

Output: 0x55





**Q2. WAP to count the number of 1’s in a given byte and display**

A screenshot of a computer program

Description automatically generated

A black background with white text

Description automatically generated

**Q3. Generate odd and even parity bits for a given number. (consider a 32 bit number)**

[Hint: You may reuse the solution created in Q2 and extend it further]

A computer screen shot of a computer code

Description automatically generated

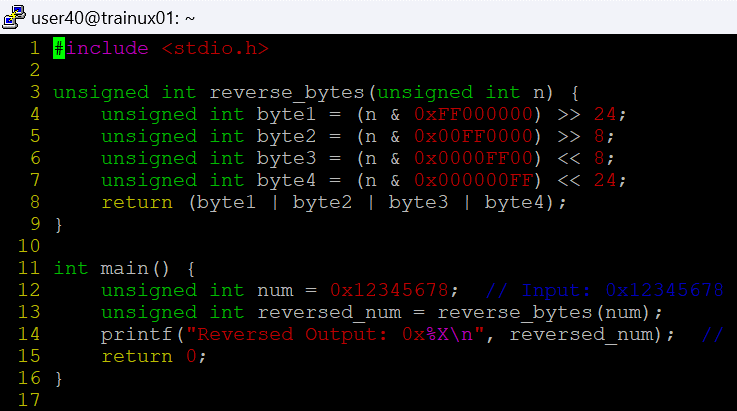
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Description automatically generated

**Q4.** **WAP to reverse the bytes in a 32 but unsigned integer using shift operator.**

Input: 0x12345678

Output: 0x78563412



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Description automatically generated