```c
#include <stdio.h>
int main()
{
    int x = 10, y = 5;

    printf("\n\n Before Swapping: x = %d, y = %d", x, y);

    // Code to swap 'x' (1010) and 'y' (0101)
    x = x ^ y;  // x now becomes 15 (1111)
    y = x ^ y;  // y becomes 10 (1010)
    x = x ^ y;  // x becomes 5 (0101)

    printf("\n After Swapping: x = %d, y = %d\n", x, y);

    return 0;
}
```