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CMSC 21-2

1.
```
1    #include <stdio.h>
2
3    int main(void){
4        int num, first_digit, last_digit;
5
6        printf("Enter a 2-digit number : ");
7        scanf("%d", &num);
8
9        first_digit = num / 10;
10       last_digit = num % 10;
11
12       printf("Reverse : %d%d\n", last_digit, first_digit);
13
14       return 0;
15   }
16
```

"C:\Users\Family\Desktop\UP Anne\CMSC 21\Lecture 2\Assignment\as1.exe"

```
Enter a 2-digit number : 25
Reverse : 52

Process returned 0 (0x0)   execution time : 2.085 s
Press any key to continue.
```

2.
```
1    #include <stdio.h>
2
3    int main(void){
4        int num, digit1, digit2, digit3, reverse;
5
6        printf("Enter a 3-digit number : ");
7        scanf("%d", &num);
8
9        digit1 = num / 100;
10       digit2 = (num % 100) / 10;
11       digit3 = num % 10;
12
13       reverse = 100 * digit3 + 10 * digit2 + digit1;
14
15       printf("Reverse : %d\n",reverse);
16
17       return 0;
18   }
```

"C:\Users\Family\Desktop\UP Anne\CMSC 21\Lecture 2\Assignment\as2.exe"

```
Enter a 3-digit number : 214
Reverse : 412

Process returned 0 (0x0)   execution time : 25.231 s
Press any key to continue.
```

3. a. **output:** 1
   b. **output:** 0
   c. **output:** 18 8 9
   d. **output:** 12 1 1