1.

as1.c 2, U as2.c 2

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```c
#include <stdio.h>

int main() {
    int  n ,num2, num1, reversed;

    printf ("Please enter a 2 digit integer: ");
    scanf ("%d", &n);

    num1 = n % 10;
    num2 = n / 10;

    reversed = num2 * 10 + num1;

    printf  ("The reversed 2 digit integer is: %d", reversed);
    return 0;
}
```

2.

as1.c 2, U as2.c 2

C: > Users > Jeff Rouzel > Downloads > Academics > CMSC21 > Lecture 1 > Assignments > as2.c > main()

```c
#include <stdio.h>

int main() {
    int  n, num3, num2, num1, reversed;

    printf ("Please enter a 3 digit integer: ");
    scanf ("%d", &n);

    num3 = n % 10;
    num2 = (n % 100)/10;
    num1 = n / 100;

    reversed = (num3 * 100) + (num2 * 10) + num1;

    printf  ("The reversed 3 digit integer is: %d", reversed);
    return 0;
}
```

3. Provide the output of the following codes, given that i, j, and k are integer variables.

a)
```
i = 3; j = 4; k = 5;
printf("%d", i < j || ++j < k);
```
b)
```
i = 7; j = 8; k = 9;
printf("%d",i - 7 && j++ < k);
```
c)
```
i = 7; j = 8; k = 9;
printf("%d", (i = j) || (j == k));
printf("%d %d %d", i, j, k);
```
d)
```
i = j = k = 1;
printf("%d", ++i || ++j && ++k);
printf("%d %d %d", i, j, k);
```

Results:

a)
```
1

...Program finished with exit code 0
Press ENTER to exit console.
```

b)
```
0

...Program finished with exit code 0
Press ENTER to exit console.
```

c)
```
18 8 9

...Program finished with exit code 0
Press ENTER to exit console.
```

d)
```
12 1 1

...Program finished with exit code 0
Press ENTER to exit console.
```