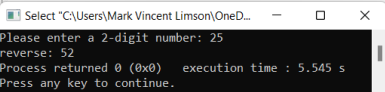1.
```
1   #include <stdio.h>
2   #include <stdlib.h>
3
4   int main()
5   {
6       int first, second; //declares the data type of each number - set to int
7
8       printf("Please enter a 2-digit number: "); //prints the instruction
9       scanf("%1d%1d", &first, &second); //asks for user input, stores first digit as varible first's value, second as variable second's value
10
11      printf("reverse: %1d%1d", second, first); //prints the results in reverse
12      return 0;
13  }
14
```
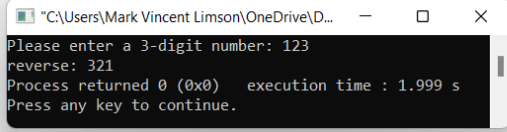
```
Select "C:\Users\Mark Vincent Limson\OneD...   —   □   ×
Please enter a 2-digit number: 25
reverse: 52
Process returned 0 (0x0)   execution time : 5.545 s
Press any key to continue.
```

2.
```
1    #include <stdio.h>
2    #include <stdlib.h>
3
4    int main()
5    {
6        int first, second, third; //declares the data type of each number - set to int
7
8        printf("Please enter a 3-digit number: "); //prints the instruction
9
10       /*asks for user input: stores first digit as varible first's value,
11       second as variable second's value, and third as third's value*/
12       scanf("%1d%1d%1d", &first, &second, &third);
13
14       printf("reverse: %1d%1d%1d", third, second, first); //prints the results in reverse
15       return 0;
16   }
17
```
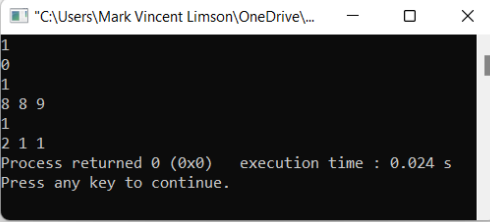
```
"C:\Users\Mark Vincent Limson\OneDrive\D...   —   □   ×
Please enter a 3-digit number: 123
reverse: 321
Process returned 0 (0x0)   execution time : 1.999 s
Press any key to continue.
```

3. Outputs are respectively shown below:
   1
   0
   1
   8 8 9
   1
   2 1 1

```
1    #include <stdio.h>
2    #include <stdlib.h>
3
4    int main()
5    {
6        int i, j, k;
7
8        //a
9        i=3; j=4; k=5;
10       printf("%d\n", i <5 || ++j < k);
11
12       //b
13       i=7; j=8; k=9;
14       printf("%d\n", i-7 && j++ < k);
15
16       //c
17       i=7; j=8; k=9;
18       printf("%d\n", (i=j) || (j==k));
19       printf("%d %d %d \n", i, j, k);
20
21       //d
22       i = j = k = 1;
23       printf("%d\n", ++i || ++j && ++k);
24       printf("%d %d %d", i, j, k);
25
26       return 0;
27   }
28
```

```
"C:\Users\Mark Vincent Limson\OneDrive\...   —   □   ×
1
0
1
8 8 9
1
2 1 1
Process returned 0 (0x0)   execution time : 0.024 s
Press any key to continue.
```