

Chester Ken Gallego

Lecture 2 Assignment

1.

```
1  #include <stdio.h>
2
3  int main(void)
4  {
5      // Declare the variables
6      int ones, tens;
7      // Prompt the user to enter a two-digit number
8      printf("Enter a two-digit number: ");
9      // Read each digit of the number and store it in the corresponding variables
10     scanf("%1d%1d", &tens, &ones);
11     // Display the reverse of the two-digit number
12     printf("Reverse: %d%d\n", ones, tens);
13     return 0;
14 }
15
```

2.

```
1  #include <stdio.h>
2
3  int main(void)
4  {
5      // Declare the variables
6      int ones, tens, hundreds;
7      // Prompt the user to enter a three-digit number
8      printf("Enter a three-digit number: ");
9      // Read each digit of the number and store it in the corresponding variables
10     scanf("%1d%1d%1d", &hundreds, &tens, &ones);
11     // Display the reverse of the three-digit number
12     printf("Reverse: %d%d%d\n", ones, tens, hundreds);
13     return 0;
14 }
15
```

- 3.
- a) 1
 - b) 0
 - c) 18 8 9

d) 12 1 1