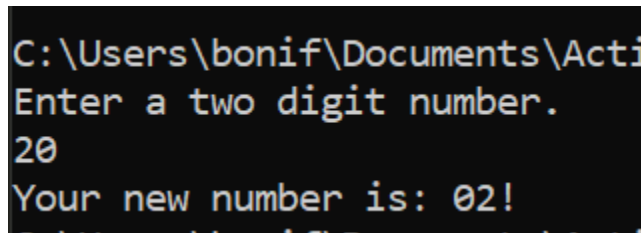


Two Digit Reversal

```
#include <stdio.h>
int main (void)
{
    //initialize variables
    int firstDig, secondDig, placeholder;
    //prompt user
    printf("Enter a two digit number. \n");
    scanf("%1d%1d", &firstDig, &secondDig);
    //places first digit in placeholder, then assigns first digit to second digit
    placeholder = firstDig;
    firstDig = secondDig;
    //assigns second digit to placeholder
    secondDig = placeholder;
    printf("Your new number is: %d%d!", firstDig, secondDig);
    return 0;
}
```

Example Output:



```
C:\Users\bonif\Documents\Acti
Enter a two digit number.
20
Your new number is: 02!
```

Three Digit Reversal

```
#include <stdio.h>
int main (void)
{
    //initialize variables
    int firstDig, secondDig, thirdDig, placeholder;
    //prompt user
    printf("Enter a three digit number. \n");
    scanf("%1d%1d%1d", &firstDig, &secondDig, &thirdDig);
    //stores first digit in placeholder
    placeholder = firstDig;
    //switches the first and third digits
    firstDig = thirdDig;
    thirdDig = placeholder;
    printf("Your new number is: %d%d%d!", firstDig, secondDig, thirdDig);
    return 0;
}
```

Example Output:

```
Enter a three digit number.  
209  
Your new number is: 902!
```

Code Outputs

1. 1
2. 0
3. 1
8 8 9
4. 1
2 1 1