

Jamie Lopez

CSC3320

Lab 7

## 1. getPhoneBook.c

```
[jrogers75@gsuad.gsu.edu@snowball ~]$ gcc -o getphone getPhoneNumber.c
[jrogers75@gsuad.gsu.edu@snowball ~]$ ./getphone
Enter phone number [(999)999-9999]: (770)547-2108
You entered: 770-547-2108
[jrogers75@gsuad.gsu.edu@snowball ~]$
```

Source Code:

```
#include <stdio.h>
#include <string.h>

/*Jamie Lopez
 * CSC3320
 * Lab 7 */

int main(void)
{
    char phone[14]; /*Initialize phone # string */

    printf("Enter phone number [(999)999-9999]: "); /*Prompt user for
phone#*/
    scanf("%s", phone); /*store phone number in variable phone */

    if (phone[0]=='(') /*If char in index 0 is (, */
        phone[0] = ' '; /* change it to blank */
    if (phone[4]==')') /* if char in index 4 is ), */
        phone[4] = '-'; /* change it to a dash */
    printf("You entered: %s\n",phone); /* Print message with new
format*/

    return 0; /* end of program */
}
```

## 2. calcPrice.c

```
[jrogers75@gsuad.gsu.edu@snowball ~]$ gcc -o price calcPrice.c
[jrogers75@gsuad.gsu.edu@snowball ~]$ ./price
Enter item number: 583
Enter unit price: 13.50
Enter quantity: 2
Enter purchase date (mm/dd/yyyy): 03/02/2021
Item    Unit Price    QTY    Purchase Date    Total Amount
583     $13.50         2      03/02/2021      $        27.00
[jrogers75@gsuad.gsu.edu@snowball ~]$
```

### Source Code

```
#include <stdio.h>
#include <string.h>

/*Jamie Lopez
 * CSC3320
 * Lab 7 */

int main(void) /* Begin with main function*/
{
    int item, qty; /* Declare integer variables to be used */
    double unit; /* Declare double variable to be used */
    char purdate[11]; /* Declared char string for purchase date w/
size */

    printf("Enter item number: "); /* Prompt user for item number */
    scanf("%d", &item); /* Store item number in variable
item */
    printf("Enter unit price: "); /* Prompt user for unit price */
    scanf("%lf", &unit); /* Store unit price in variable unit
*/
    printf("Enter quantity: "); /* Prompt user for quantity */
    scanf("%d", &qty); /* Store quantity in qty */
    printf("Enter purchase date (mm/dd/yyyy): "); /* Prompt for Purch
Date */
    scanf("%s", &purdate); /* Store date in purdate */

    /* Printer Header information first: */
    printf("Item\tUnit Price\tQTY\tPurchase Date\tTotal Amount\n");
    /* Print in format with tabs to maintain spacing */
    printf("%d\t$%-6.2lf\t%d\t%s\t$\t%6.2lf\n", item, unit, qty,
purdate, unit * qty);

    return 0; /* end of program */
}
```