Alex Siegel

System-Level Programming

Lab 7

10/14/2021

1)

```
[asiegel11@gsuad.gsu.edu@snowball Lab7]$ cc -o phoneNumber getPhoneNumber.c
[asiegel11@gsuad.gsu.edu@snowball Lab7]$ ./phoneNumber
Enter Phone Nnumber [(xxx)xxx-xxxx]:(631)704-1165
You entered 631-704-1165
[asiegel11@gsuad.gsu.edu@snowball Lab7]$
```

2)

```
[asiegel11@gsuad.gsu.edu@snowball Lab7]$ ./calc
Enter item number:15
Enter unit price:1.5
Enter quanitity:56
Enter purchase date (mm/dd/yyyy):10/14/2021
Item    Unit Price      QTY      Purchase Date    Total Amount
15       $    1.50       56       10/14/2021       $     84.00
[asiegel11@gsuad.gsu.edu@snowball Lab7]$ 2
```

(code is on next page)

```c
/*
 * getPhoneNumber.c
 * Alex Siegel - asiegel11@student.gsu.edu
 *
 * Asks user to enter a phone number and prints the
 * number in a different format
 */
#include <stdio.h>
#include <string.h>

int main(void){
    //Character array for string
    char number[13];

    //Reads user input
    printf("Enter Phone Number [(xxx)xxx-xxxx]:");
    scanf("%s", number);

    // Prints out formatted string
    printf("You entered %c%c%c-%c%c%c-%c%c%c%c\n",
number[1],number[2],number[3],number[5],number[6],number[7],number[9],number[10
],number[11],number[12]);
    return 0;
}
```

s

```c
/*
 * calcPrice.c
 * Alex Siegel - asiegel11@student.gsu.edu
 *
 * Takes an item number, unit price, and quanitity
 * and displayes the total price
 */

#include <stdio.h>

int main(void){

    // Variables to store inputs
    int item, quantity;
    double price;
    char date[10];

    // Reads inputs and assigns them to variables
    printf("Enter item number:");
    scanf("%i", &item);

    printf("Enter unit price:");
    scanf("%lf", &price);

    printf("Enter quanitity:");
    scanf("%i", &quantity);

    printf("Enter purchase date (mm/dd/yyyy):");
```

```c
    scanf("%s", date);


    double total = price * quantity;
    printf("Item    Unit Price     QTY    Purchase Date   Total Amount\n");
    printf("%i     $   %.2f       %i     %s     $    %.2f\n", item, price, quantity, date, total);

    return 0;
}
```