

Joshua Griffith Lab seven post assignment

1) Write a C program named as getPhoneNumber.c that prompts the user to enter a telephone number in the form (999)999-9999 and then displays the number in the form 999-999-999:

```
joshua@joshua-VirtualBox:~/Labs$ ./a.out
Enter phone number in format [(999)999-9999]:(404)123-4657
You entered 404-123-4657
```

```
#include<stdio.h>
int main(){
    char phoneinput[13];
    printf("Enter phone number in format [(999)999-9999]:");
    scanf("%s",phoneinput);
    char nphone[12];
    int i;
    for(i=1;i<13;i++){
        if(i==4){

            nphone[i-1] = '-';

        }
        else{

            nphone[i-1] = phoneinput[i];

        }
    }
    //add ending char
    nphone[i-1] = '\0';
    printf("You entered %s\n",nphone);
    return 0;
}
```

2) Write a program named as calcPrice.c that formats product information entered by the user and calculate the total amount of purchase.

```
joshua@joshua-VirtualBox:~/Labs$ ./a.out
Enter item number:583
Enter unit price:13.5
Enter quantity:2
Enter purchase date:09/15/2016
Item      Unit Price      QTY      Purchase Date      Total Amount
583       $      13.50       2         09/15/2016         $      27.00
```

```

#include <stdio.h>
int main(){
    //variables
    int item_number;
    double price;
    int quantity;
    char datepurchase[12];

    // user input
    printf("Enter item number:");
    scanf("%d", &item_number);
    printf("Enter unit price:");
    scanf("%lf", &price);
    printf("Enter quantity:");
    scanf("%d", &quantity);
    printf("Enter purchase date:");
    scanf("%s", datepurchase);

    //printing data
    printf("Item\tUnit Price\tQTY\tPurchase Date\tTotal Amount\n");
    printf("%d\t$%9.2lf\t%d\t%s\t$%9.2lf\n\n", item_number, price, quantity, datepurchase,
price * quantity);

    return 0;
}

```