CSC3320 System Level Programming
Lab Assignment 7 - Post-Lab

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Lab # 7 – Out of Lab Assignment Report

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:
Enter phone number [(999)999-9999]: (404)123-4567
You entered 404-123-4567

Screenshot:

```
[vsrikakulapu1@gsuad.gsu.edu@snowball ~]$ vi getPhoneNumber.c
[vsrikakulapu1@gsuad.gsu.edu@snowball ~]$ cc getPhoneNumber.c
[vsrikakulapu1@gsuad.gsu.edu@snowball ~]$ ./a.out
Enter phone number [(999)999-9999]: (404)123-4567
You entered 404-123-4567
[vsrikakulapu1@gsuad.gsu.edu@snowball ~]$
```

Source code for **getPhoneNumber.c** *:*

```c
#include <stdio.h>

int main(void)
{
int num1,num2,num3;
printf("Enter phone number [(999)999-9999]: ");
scanf("(%d)%d-%d",&num1,&num2,&num3);
printf("You entered %d-%d-%d\n",num1,num2,num3);
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.

Enter item number:583
Enter unit price:13.5
Enter quantity:2
Enter purchase date (mm/dd/yyyy):09/15/2016
Item Unit Price QTY Purchase Date Total Amount
583 $ 13.50 2 9/15/2016 $ 27.00

Screenshot:

```
[vsrikakulapu1@gsuad.gsu.edu@snowball ~]$ vi calcPrice.c
[vsrikakulapu1@gsuad.gsu.edu@snowball ~]$ cc calcPrice.c
[vsrikakulapu1@gsuad.gsu.edu@snowball ~]$ ./a.out
Enter item number:583
Enter unit price:13.5
Enter quantity:2
Enter purchase date (mm/dd/yyyy):09/15/2016
Item    Unit Price      QTY     Purchase Date   Total Amount
583     $    13.50      2        9/15/2016       $     27.00
[vsrikakulapu1@gsuad.gsu.edu@snowball ~]$ 
```

Source code for calcPrice.c :

```c
#include <stdio.h>

int main(void)
{
int Item,QTY,month,day,year;
float price,Total;
printf("Enter item number:");
scanf("%d",&Item);
printf("Enter unit price:");
scanf("%f",&price);
printf("Enter quantity:");
scanf("%d",&QTY);
printf("Enter purchase date (mm/dd/yyyy):");
scanf("%d/%d/%d",&month,&day,&year);
Total = price*QTY;
printf("Item\tUnit Price\tQTY\tPurchase Date\tTotal Amount\n");
printf("%-d\t$%9.2f\t%-d\t%-d/%-d/%-d\t$%10.2f\n",Item,price,QTY,month,day,year,Total);
return 0;
}
```