Question 1

1. Code

```c
#include <stdio.h>
int main (void)
{
        int i;
        int j;
        int x;
        printf("Enter phone number [(999)999-9999]:");
        scanf("(%3d)%3d-%4d", &i, &j, &x);
        printf("You entered %3d-%3d-%4d\n", i, j, x);
        return 0;
}
```

```
/* Lab 7
 * Question 1
 * Talaal Tahir
 *Ttahir1@student.gsu.edu
*/

int main (void)
{
int i;
int j;
int x;
printf("Enter phone number [(999)999-9999]:");
scanf("(%3d)%3d-%4d", &i, &j, &x);
printf("You entered %3d-%3d-%4d\n", i, j, x);
return 0;
}
```

```
[ttahir1@gsuad.gsu.edu@snowball Lab7]$ cc getPhoneNumber.c
[ttahir1@gsuad.gsu.edu@snowball Lab7]$ ./a.out
Enter phone number [(999)999-9999]:(123)456-8978
You entered 123-456-8978
[ttahir1@gsuad.gsu.edu@snowball Lab7]$ ./a.out
Enter phone number [(999)999-9999]:(404)878-3423
You entered 404-878-3423
```

Question 2

```c
#include <stdio.h>
int main (void)
{
        int itemNumber;
        float unitPrice;
        int quantity;
        int date;
        int month;
        int year;
        float total;

        printf("Enter item number:");
        scanf("%d", &itemNumber);

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

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

        printf("Enter purchase date (mm/dd/yyyy):");
        scanf("%2d/%2d/%4d", &date, &month, &year);

        total=unitPrice*quantity;

        printf("Item\tUnit Price\tQTY\tPurchase Date\tTotal Amount\n");

        printf("%-d\t$%9.2f\t%-d\t%2d/%2d/%4d\t$%11.2f\n", itemNumber, unitPrice,
quantity, date, month, year, total);

return 0;
}
```

```c
#include <stdio.h>
int main (void)
{
int itemNumber;
float unitPrice;
int quantity;
int date;
int month;
int year;
float total;

printf("Enter item number:");
scanf("%d", &itemNumber);

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

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

printf("Enter purchase date (mm/dd/yyyy):");
scanf("%2d/%2d/%4d", &date, &month, &year);

total=unitPrice*quantity;

printf("Item\tUnit Price\tQTY\tPurchase Date\tTotal Amount\n");

printf("%-d\t$%9.2f\t%-d\t%2d/%2d/%4d\t$%11.2f\n", itemNumber, unitPrice, quantity, date, month, year, total);

return 0;
}
```

```
[ttahir1@gsuad.gsu.edu@snowball Lab7]$ vi calcPrice.c
[ttahir1@gsuad.gsu.edu@snowball Lab7]$ cc calcPrice.c
[ttahir1@gsuad.gsu.edu@snowball Lab7]$ ./a.out
Enter item number:243
Enter unit price:12.30
Enter quantity:3
Enter purchase date (mm/dd/yyyy):10/20/2015
Item     Unit Price      QTY      Purchase Date    Total Amount
243      $     12.30     3        10/20/2015       $       36.90
```