SE 185 Quiz 1
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Question 1

Code:

```c
#include<stdio.h>
int main(void)
{
    long int phoneNumber;
    long int areaCode;
    long int exchangeCode;
    long int temp1;
   long int userNumber;
    printf(" Enter a 10 digit phone number");
    scanf("%ld",&phoneNumber);
    userNumber=phoneNumber % 10000;


     temp1=phoneNumber/10000;
    exchangeCode= temp1 % 1000;
    areaCode= temp1/1000;
    printf(" Area code is: %ld\n", areaCode);
    printf(" Exchange code is: %ld\n",exchangeCode);
    printf(" User number is: %ld\n", userNumber);
    return(0);
   }
```

Output:

```
Last login: Mon Sep  6 21:45:29 on ttys000
aryan@aryanrao11 ~ % /Users/aryan/Desktop/C/Quiz1-1/tempCodeRunnerFile ; exit;
 Enter a 10 digit phone number5152364729
 Area code is: 515
 Exchange code is: 236
 User number is: 4729
Saving session...
...copying shared history...
...saving history...truncating history files...
...completed.
```

Question 2

Code:

```c
#include<stdio.h>
int main(void)
{
    double schoolx = 15.55;
    double schooly = 55.15;
    double mikex = 22.05;
    double mikey = 85.10;
    double maryx = 43.25;
    double maryy = 9.80;
    double garyy = 72.86;
    double garyx = 2.55;
    double loganx = 15.55;
    double logany = 40.40;
    double distMike,distMary,distGary,distLogan;
    distMike=sqrt(pow((mikex-schoolx),2.0) +pow((mikey-schooly),2.0));
    distMary=sqrt(pow((maryx-schoolx),2.0) +pow((maryy-schooly),2.0));
    distGary=sqrt(pow((garyx-schoolx),2.0) +pow((garyy-schooly),2.0));
    distLogan=sqrt(pow((loganx-schoolx),2.0) +pow((logany-schooly),2.0));
    printf(" The E distance for Mike is : %lf\n", distMike);
    printf(" The E distance for Mary is : %lf\n", distMary);
    printf(" The E distance for Gary is : %lf\n", distGary);
    printf(" The E distance for Logan is : %lf\n", distLogan);
    return(0);
    }
```

Output:

```
[Done] exited with code=1 in 0.053 seconds

[Running] cd "/var/folders/zc/ycw_29_x367c4jl9ct_5gqlc0000gn/T/" && gcc tempCodeRunnerFile.c -o tempCodeRunnerFile && "/var/folders/
 The E distance for Mike is : 30.647227
 The E distance for Mary is : 53.140498
 The E distance for Gary is : 21.969162
 The E distance for Logan is : 14.750000

[Done] exited with code=0 in 0.343 seconds
```