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Quiz 2

Question 1

1 :Source Code

```c
#include<stdio.h>
#include<math.h>

int main(void)
{
  char firstName[100];
  char lastName[100];
  char major[100];
  char clgYear[100];
  int gradYear;
  printf("Enter your first name:");
  scanf("%s",firstName);
  printf("Enter the last name:");
  scanf("%s",lastName);
  printf("Enter your major:");
  scanf("%s",major);
  printf("Enter year in college (ex. Freshman, sophomore, etc):");
  scanf("%s",clgYear);
  printf("Enter your graduation year: ");
  scanf("%d",&gradYear);
  printf("\nName (last, first): Name(%s, %s)\n",lastName,firstName);
  printf("Major: %s\n", major);
  printf("Year: %s\n", clgYear);
  printf("Graduation year: %d\n", gradYear);
  return 0;
}
```

Output

```
Lab02                          SE185              quiz1-2.c
Lab02.zip                      help.c             screenshot1.png
Lab02_Report_Tejal_Devshetwar.pdf  part1.c        screenshot2.png
Lab_Report01_Tejal_Devshetwar.pdf  part1.exe      screenshot3.png
Quiz1-1.c                      part2.c

Tejal@DESKTOP-LE0UN4H /cygdrive/c/SE185
$ gcc help.c -o help

Tejal@DESKTOP-LE0UN4H /cygdrive/c/SE185
$ ./help
Enter your first name: Marcus
Enter the last name: Kavars
Enter your major: CPRE
Enter year in college (ex. Freshman, sophomore, etc): Freshman
Enter your graduation year: 2024

Name (last, first): Name(Kavars, Marcus)
Major: CPRE
Year: Freshman
Graduation year: 2024

Tejal@DESKTOP-LE0UN4H /cygdrive/c/SE185
$
```

Question 2:

Source Code:

```c
#include<stdio.h>
#include<math.h>
double DrivingCost(double drivenMiles,double milesPerGallon,double dollarsPerGallon)
{ double x,y;
   x= drivenMiles/(milesPerGallon);
   y=x* dollarsPerGallon;
   return y;
   }

int main(void)
{double drivenMiles;
double milesPerGallon;
double dollarsPerGallon;
printf("Enter driven Miles:");
scanf("%lf", &drivenMiles);
printf("Enter Miles per Gallon:");
scanf("%lf", &milesPerGallon);
printf("Enter dollars per Gallon:");
scanf("%lf", &dollarsPerGallon);
printf("Driving cost= %0.2lf",DrivingCost(drivenMiles,milesPerGallon,dollarsPerGallon));
return(0);
}
```

Output


```
/cygdrive/c/SE185                                          —    □    ×

Tejal@DESKTOP-LEOUN4H /cygdrive/c/SE185/SE185
$ cd /cygdrive/c/SE185

Tejal@DESKTOP-LEOUN4H /cygdrive/c/SE185
$ ls
'Lab 01.zip'                          SE185        part2.exe
 Lab02                                help.c       quiz1-2.c
 Lab02.zip                            help.exe     screenshot1.png
 Lab02_Report_Tejal_Devshetwar.pdf    new1.c       screenshot2.png
 Lab_Report01_Tejal_Devshetwar.pdf    part1.c      screenshot3.png
 Quiz1-1.c                            part1.exe
'SE 185 Quiz 1.pdf'                   part2.c

Tejal@DESKTOP-LEOUN4H /cygdrive/c/SE185
$ gcc new1.c -o new1

Tejal@DESKTOP-LEOUN4H /cygdrive/c/SE185
$ ./new1
Enter driven Miles:300.7
Enter Miles per Gallon:22.3
Enter dollars per Gallon:3.1599
Driving cost= 42.61
Tejal@DESKTOP-LEOUN4H /cygdrive/c/SE185
$
```