# Lab Submission #3:

#### Question #1:

```
lab task 1.c × lab task 2.c × lab task 4.c ×
                                                                                     C:\Users\k243014\Deskton\I ah Task\main\Iah task 1.eve
                                                                                                                                                 П
 1 #include<stdio.h>
                                                                                        ber is:-64771072
ber is:3000000000.000000
  2 pint main(){
                                                                                        ocess exited after 0.07073 seconds with return value 0
         int testInteger=3000000000000;
  3
         printf("Number is:%d",testInteger);
  4
  6
           Reason: value is exceeding int limit
  7
     // you can use float to displat it.
  9
         float value=30000000000;
         printf("\nNumber is:%f", value);
 10
 11
12
            but remember float can also be exceede at 11-places
13
14
urces 🖷 Compile Log 📵 Debug 🧶 Find Results 🍵 Console 🔛 Close
```

### Question #2:

```
lab task 1.c × lab task 2.c × lab task 4.c ×
                                                      C:\Users\k243014\Desktop\Lab Task\main\lab task2.exe
 1 #include<stdio.h>
 2 pint main(){
 3
        int a,b,c;
 4
 5
        printf("Enter value a:");
                                                        cess exited after 3.586 seconds with return value 0
 6
        scanf("%d", &a);
 7
        printf("Enter value b:");
 8
 9
        scanf("%d", &b);
10
11
        printf("Enter value c:");
12
        scanf("%d", &c);
13
14
        int newb = a;
15
        int newc = b;
16
        int newa = c;
17
        printf("values after rotation \na: %d\n",newa);
18
        public int __cdecl printf (const
19
20
        printf("c: %d\n", newc);
21
```

# Question #3

```
ılobals)
                                                                                                C:\Users\Mahad\Documents\labtask3.exe
                                                                                                 nter the Car Fuel Average per litre : 20
he total cost of fuel of starting point
to city-X 850KM and city-X to city-Y 420KM is :7407.000000
[*] labtask3.c
  1 #include<stdio.h>
                                                                                                 rocess exited after 3.289 seconds with return value 0 ress any key to continue . . .
   3 □ main(){
             int fuel_effi;
  4
             printf("Enter the Car Fuel Average per litre : ");
             scanf("%d", &fuel_effi);
             int distanceA = 850;
int distanceB = 420;
   8
 10
             int priceA = 115;
 11
             int priceB = 120;
 12
             float tripX_price = (distanceA * priceA)/fuel_effi;
float tripY_price = (distanceB * priceB)/fuel_effi;
 13
 14
 15
 16
             float totalCost = tripX_price + tripY_price;
 17
 18
             printf("The total cost of fuel of starting point\nto city-X 850KM and city-X to city-Y 420KM is :%f",totalCost);
 19
 20 L }
```

### Question #4:

```
lab task 1.c × lab task 2.c × lab task 4.c ×
 1 #include<stdio.h>
                                                         C:\Users\k243014\Desktop\Lab Task\main\lab task4.exe
 2
 3 pint main(){
         int xa,xb,ya,yb,chngey,chngex;
 4
 5
         float slope;
                                                           ess exited after 3.894 seconds with return value 0
 6
         printf("Enter x1 value :");
         scanf("%d",&xa);
 7
         printf("Enter x2 value :");
 8
 9
         scanf("%d",&xb);
         printf("Enter y1 value :");
10
         scanf("%d",&ya);
11
12
         printf("Enter y2 value :");
         scanf("%d",&yb);
13
14
15
         chngey = yb-ya;
16
         chngex = xb-xa;
17
         slope = chngey/chngex;
         float slope = (()/(xb-xa));
18
         printf("slope is: %f",slope);
19
20 <sup>[</sup> }
```

### Question #5:

## Alternate solution Q2:

```
[*] labtask3.c × labtask5.c × lb2.c ×
 1 #include<std
2 □ int main(){
     #include<stdio.h>
            int a,b,c;
            printf("Enter value a:");
scanf("%d", &a);
                                                                                                         C:\Llsers\Mahad\Documents\lh2 exe
                                                                                                                                                                                                    6
7
                                                                                                          nter value b:2
nter value c:3
alues after rotation
            printf("Enter value b:");
scanf("%d", &b);
 8
9
10
11
            printf("Enter value c:");
scanf("%d", &c);
12
13
14
15
            int z = c;
                                                                                                          rocess exited after 2.921 seconds with return value 0 ress any key to continue . . . .
16
17
18
19
            printf("values after rotation \na: %d\n",a);
printf("b: %d\n",b);
printf("c: %d\n",c);
21
25
26
27
```