

LAB 03

PROB1: The number 3000000000 exceeds the range that can be stored into integer data type.

PROB2:

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19041.264]
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C:\Users\info soft\Documents>gcc prob2.c -o prob2.exe

C:\Users\info soft\Documents>prob2.exe
enter 1st number: 2
enter 2nd number: 3

2
the new value of 1st number is: 3
the new value of 2nd number is: 2
C:\Users\info soft\Documents>
```

PROB3:

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19041.264]
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C:\Users\info soft\Documents>gcc prob3.c -o prob3.exe

C:\Users\info soft\Documents>prob3.exe
enter your salary: 4000
enter tax rate: 20
you will be paid: $ 800.00
C:\Users\info soft\Documents>
```

PROB4:

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19041.264]
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C:\Users\info soft\Documents>gcc prob4.c -o prob4.exe

C:\Users\info soft\Documents>prob4.exe
enter car's fuel average: 10
total fuel consumed: 241.40 litre
fuel cost for forward trip: $ 14242.60
fuel cost fot backward trip: $ 14846.10
total fuel cost: $ 29088.70
C:\Users\info soft\Documents>
```


PROB5:

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19041.264]
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C:\Users\info soft\Documents>gcc prob5.c -o prob5.exe

C:\Users\info soft\Documents>prob5.exe
enter principle amount: 500
enter rate of interest: 6
enter time duration: 5
interest to be paid is: $150.0
C:\Users\info soft\Documents>
```

PROB6:

 C:\Windows\System32\cmd.exe

```
Microsoft Windows [Version 10.0.19041.264]
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C:\Users\info soft\Documents>gcc prob6.c -o prob6.exe

C:\Users\info soft\Documents>prob6.exe
the slope of the given line is: 1.000
C:\Users\info soft\Documents>
```