

C	Session	Input & Output	Question Information	Level 2	Challenge 8
<p>Problem Description:</p> <p>Aaron took his girl friend Binita to a restaurant as he got a job of his dreams.</p> <p>Since he had small welcome interview he was little bit tensed.</p> <p>Binita figured this out and to get back Aaron's confidence she gave him a little task,</p> <p>When they received the bill for the food they ordered,she asked aaron to find out the tax amount of the bill and tip for the meal through a computer code.</p> <p>Aaron can use your local tax rate when computing the amount of tax owing.</p> <p>Can you help aaron to code the suitable logic.</p> <p>Note:</p> <p>Local tax= 18%</p> <p>Tip amount=5%</p> <p>Constraint:</p> <p>$50 \leq \text{billwt} \leq 1300$</p> <p>Where billwt is the variable you should use for getting the bill amount without tax and tip.</p> <p>Input format:</p> <p>Single Line of input has single value of type integer representing the Bill Amount Without Tax and Tip</p> <p>Output format:</p> <p>In First Line Print the calculated Tax with only 2 values after decimal point.</p> <p>In the Second Line Print the calculated Tip with only 2 values after decimal point.</p> <p>In the Third Line Print the Total Bill Amount with tax and tip with only 2 values after decimal point.</p>					

Logical Test Cases

Test Case 1	Test Case 2
INPUT (STDIN)	INPUT (STDIN)
521	734
EXPECTED OUTPUT	EXPECTED OUTPUT
The Tax is 93.78 The Tip is 26.05 Total Bill With Tax and Tip is 640.83	The Tax is 132.12 The Tip is 36.70 Total Bill With Tax and Tip is 902.82

▼ Mandatory Test Cases

Test Case 1

KEYWORD

```
int billwt;
```

Test Case 2

KEYWORD

```
float tax,tip,totaltax,totaltip,totalbill;
```

▼ Complexity Test Cases

Test Case 1

CYCLOMATIC COMPLEXITY

1

Test Case 2

TOKEN COUNT

50

Test Case 3

NLOC

14

CODE :

```
//CH.SC.U4CSE24015
#include <stdio.h>
int main() {
    int billwt;
    float tax, tip, totaltax, totaltip, totalbill;
    scanf("%d", &billwt);
    tax = 0.18*billwt;
    tip = 0.05*billwt;
    totalbill = (float)tax+tip+billwt;
    printf("The Tax is %.2f\n", tax);
    printf("The Tip is %.2f\n", tip);
    printf("Total BILL With Tax and Tip is %.2f", totalbill);
}
```

OUTPUT:

```
521
The Tax is 93.78
The Tip is 26.05
Total BILL WWith Tax and Tip is 640.83
Process returned 0 (0x0)    execution time : 1.752 s
Press any key to continue.
```

734

The Tax is 132.12

The Tip is 36.70

Total BILL With Tax and Tip is 902.82

Process returned 0 (0x0) execution time : 2.016 s

Press any key to continue.