3) Compute the tax due based on a tax table given below:
Program Input: Salary amount.
Program Output: Returns the tax due for 0.0 <= salary <= 150,000.00; returns -1.0 if salary is outside the table range.

Salary Range ($)	Base Tax ($)	Percentage of Excess
0.00–14,999.99	0.00	15
15,000.00–29,999.99	2,250.00	18
30,000.00–49,999.99	5,400.00	22
50,000.00–79,999.99	11,000.00	27
80,000.00–150,000.00	21,600.00	33

```c
#include <stdio.h>
float taxforsalary(float salary){
    if(salary <0.0f || salary >150000.00f){
        return -1.0;
    }
    float tax;
    if (salary<14999.99f){
        tax=0.00f+(salary-0.00f)*0.15f;
    }
     else if (salary<29999.99f){
        tax=2250.00f+(salary-15000.00f)*0.18f;
    }
     else if (salary <= 49999.99f) {
        tax = 5400.00f + (salary - 30000.00f) * 0.22f;
    }
     else if (salary <= 79999.99f) {
        tax = 11000.00f + (salary - 50000.00f) * 0.27f;
    }
     else {
        tax = 21600.00f + (salary - 80000.00f) * 0.33f;
    }
    return tax;
}
int main (){
    float salary;
    printf("enter the amount of salary : ");
    scanf("%f",&salary);
    if (salary<0.0f){
        printf("invalid input\n");
    }
    else{
        float tax=taxforsalary(salary);
        printf("the tax due is : %f",tax);
    }

    return 0;
}
```

```
~/Documents/dslab gcc assignment1_Q3.c
~/Documents/dslab ./a.out
enter the amount of salary : 12000
the tax due is : 1800.000122
~/Documents/dslab ./a.out
enter the amount of salary : 16550
the tax due is : 2529.000000
~/Documents/dslab ./a.out
enter the amount of salary : -1400
invalid input
~/Documents/dslab ./a.out
enter the amount of salary : 1555000
the tax due is : -1.000000
~/Documents/dslab ./a.out
enter the amount of salary : 11
the tax due is : 1.650000
~/Documents/dslab ./a.out
enter the amount of salary : 1212121
the tax due is : -1.000000
~/Documents/dslab ./a.out
enter the amount of salary : 10000
the tax due is : 1500.000000
~/Documents/dslab
```