Discounts

Lastname_discounts.c

Write a program that calculates the final bill after discounts are applied.

PROGRAM DESIGN
The program should accept a float input from the user. This input is the bill amount of a customer. Once the input is accepted, this should be passed to a function called calcDCPrice() which takes in the billAmount as its sole parameter. This function should determine the appropriate discount rate to be applied to the billAmount and return the rate back to main for proper discounted amount results and outputs. Save your program as *Lastname_discounts.c* (example: **Ablazo_discounts.c**).

Required: the use of if-else statements within the calcDCPrice function.

PROGRAM SKELETON

```
#include <stdio.h>
float calcDCPrice(float billAmount);

int main()
{
    float billAmt, discountedAmt, discountRate;
    scanf("%f",&billAmt);
    discountRate = calcDCPrice(billAmt)

    ...

    return 0;
}
```

INPUT
The input will contain a floating value which is the customer's billAmount – prior to discounts.

OUTPUT
Your program first determine the rate to be applied to the customer's billAmount, once this is determined, it should be returned back to main where the results would be calculated and printed. The discounts are as follows:

billAmount	Discount rate
Less than 100	0 (no discount)
100 to 300	10%
Greater than 300	20%

Please note that if the user entered a negative billAmount, this would output **Invalid Amount!** Follow the outputs as seen in the sample input and output panels below. Valid outputs should observe a 2-floating point precision!

Sample Input
250 95 100 500 -1

Sample Output
225.00 95.00 90.00 400.00 Invalid Amount!