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//RA2111003010136
#include <stdio.h>
int main()
{
    //Simple program to calculate bill in a restaurant accounting for number of dishes, servings of each,
    and tax

    int num,z,srv;
    float cst,tax;
    double totalbill;
    totalbill=0.0;
    printf("Enter number of dishes: ");
    scanf("%d",&num);
    printf("\nEnter tax rate: ");
    scanf("%f",&tax);
    for(z=1;z<=num;z++)
    {
        printf("\nDish %d \n",z);
        printf("Enter number of servings: ");
        scanf("%d",&srv);
        printf("\nEnter cost of one serving: ");
        scanf("%f",&cst);
        totalbill+=(cst*srv);
    }
    printf("\nNumber of dishes: %d \n",num);
    printf("Pre-tax amount: %.2lf\n",totalbill);
    totalbill=totalbill*(100.0+tax)/100.0;
    printf("Taxation rate: %.2f%\n",tax);
    printf("Total bill: Rs. %.2lf \n",totalbill);
    return 0;
}
```