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// Filename Fread_Program5.c
// Written by Justin Fread
// Written on 10/18/18
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#include <stdio.h>
#define SIZE 10

int main(void) {

    // declare array to count salary ranges and salary entered by user
    int salaryCount[SIZE];
    double salary;

    // initialize array to 0
    for (size_t i = 0; i < SIZE; i++) {
        salaryCount[i] = 0;
    }

    // prompt the user to enter salaries and a -1 when finished
    printf("Please enter the salaries of the sales persons and a -1 to quit\n--> ");
    scanf_s("%lf", &salary);

    while (salary != -1) {

        // increase salary count for each salary range
        if (salary < 200) {
            salaryCount[0]++;
        }
        else if (salary < 300) {
            salaryCount[1]++;
        }
        else if (salary < 400) {
            salaryCount[2]++;
        }
        else if (salary < 500) {
            salaryCount[3]++;
        }
        else if (salary < 600) {
            salaryCount[4]++;
        }
        else if (salary < 700) {
            salaryCount[5]++;
        }
        else if (salary < 800) {
            salaryCount[6]++;
        }
        else if (salary < 900) {
            salaryCount[7]++;
        }
        else if (salary < 1000) {
            salaryCount[8]++;
        }
        else {
            salaryCount[9]++;
        }

        // continue accepting salaries until a -1 is entered
        printf("--> ");
        scanf_s("%lf", &salary);
    }

    // print a list of the numbers of employees who fell
    // into each salary range
    printf("\nEmployees to be paid $199 or Less %d:", salaryCount[0]);
    printf("\nEmployees to be paid $200 to $299 %d:", salaryCount[1]);
    printf("\nEmployees to be paid $300 to $399 %d:", salaryCount[2]);
    printf("\nEmployees to be paid $400 to $499 %d:", salaryCount[3]);
    printf("\nEmployees to be paid $500 to $599 %d:", salaryCount[4]);
    printf("\nEmployees to be paid $600 to $699 %d:", salaryCount[5]);
    printf("\nEmployees to be paid $700 to $799 %d:", salaryCount[6]);
    printf("\nEmployees to be paid $800 to $899 %d:", salaryCount[7]);
    printf("\nEmployees to be paid $900 to $999 %d:", salaryCount[8]);
    printf("\nEmployees to be paid $1000 + %d:\n\n", salaryCount[9]);

    system("pause");
}
```