***Programming assignment 5***

#include <stdio.h>

void main()

{

float sales[1000];

float totalAverageSales = 0.0;

float totalSales = 0.0;

int extraDays;

int counter = 0;

int i = 0;

for (i; i < 7; i++) { // for loop to allows input of daily sales

printf("Enter daily sales in euro for day %d: ", i + 1);

scanf\_s("%f", &sales[i]);

counter++; // increment

totalSales = totalSales + sales[i]; // using [] creates an array

}

printf("Total sales are:%0.2f\n", totalSales); // prints the total sales from the week to two decimal places

totalAverageSales = totalSales / 7; // formula for average sales

printf("Average sales are: %0.2f\n", totalAverageSales); // average sales formula,prints to two decimal places

printf("How many additional days of sales would you like to record:");

scanf\_s("%d", &extraDays); // allows user to input optional extra days

while (counter < 7 + extraDays) {

printf("Enter daily sales in euro for day %d:", counter + 1); // prints out the day number for daily sales

scanf\_s("%f", &sales[counter]);

totalSales = totalSales + sales[counter];

counter++; // increment

}

printf("New total sales: %0.2f\n", totalSales); // updates total sales and average sales to incorperate additional days

totalAverageSales = totalSales / (7 + extraDays); // updated average sales formula

printf("New average sales: %0.2f\n", totalAverageSales); // indicates new outputs

for (i; i < counter; i++) { // storing daily sales values

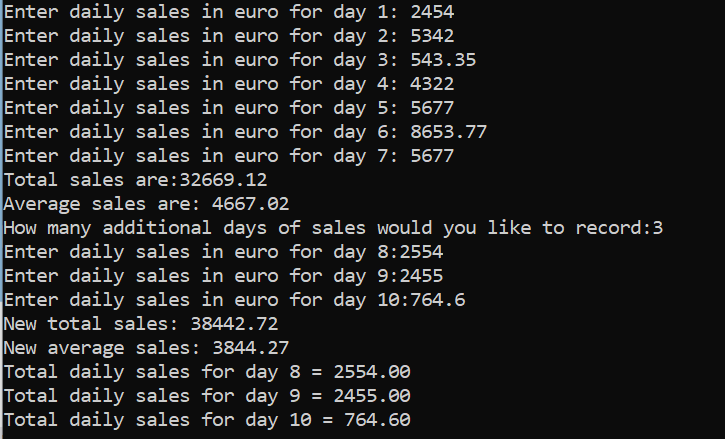
printf("Total daily sales for day %d = %0.2f\n", i + 1, sales[i]);

scanf\_s("%f", &sales[i]);

counter++;

}

}

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