

Calculate discount program.

If price less than 100, discount is 5%

If price between 100-500 discount is 10%

More than 500, the discount is 15%

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#include <stdio.h>

#include <stdlib.h>

double calcdiscountprice (int price);

double operation (int price, double *maxpointer, double *avgpointer);

int main()
{
    int price=1;

    double maxpointer, avgpointer, total=0;

    double k=calcdiscountprice(price);

    double x=operation(price, &maxpointer, &avgpointer);

    printf("The average of the discounted items is:%lf\n", avgpointer);

    printf("The total of the purchases is:%lf\n", total);

    printf("The maximum price is:%lf\n", maxpointer);

    return 0;
}

double calcdiscountprice (int price)
{
    if (price<=100)
    {
        price=price*0.05;
```

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    }

    else if (price >= 101 && price <= 500)

    {

        price = price * 0.10;

    }

    else

    {

        price = price * 0.15;

    }


    return price;

}


double operation (int price, double *maxpointer, double *avgpointer){

double i, total, max, avg;

while (price != -1){

    if (price > 0)

        {printf("Enter the prices, or type -1 to stop\n");

            scanf("%d", &price);

            i++;

            double y = calcdiscprice(price);

            printf("The discount for this purchase is:%lf\n", y);

            total = total + price;

            if (price > max)

                {max = price;

```

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    *maxpointer=max;}  
  
    avg= total/i;  
  
    *avgpointer=avg;}}
```

return total;

}