

Start

Enter your ID

Enter your purchase amount

Initialize variables
(points = 100; earned = 0)

Is amount < 100,000 ?

earned = 100

points = points + earned

Display ID, Purchase, Earned Points, New Balance

Is points >= 500?

Calculate Discount (amount * 0.20) and Notify

End

Is amount >= 100,000 and < 500,000 ?

earned = 250

earned = 400

Calculate Missing Points (500 - points) and Notify

