Points

Lastname_midExer01.cpp

Write a program which calculates the total *reward points* a certain user has accumulated given a purchase.

PROGRAM DESIGN
Department stores envision different methods of encouraging current and potential customers to purchase more products. One notable method is the implementation of *reward points*. A certain amount of reward points are awarded to customers who have conducted or reached a specific threshold of cash transactions. When enough these *reward points* are then traded for some selected few items (free of charge). Create a program that accepts one input from the user. This input represents the total purchase amount of the user. Once the input is accepted, the program should be able to calculate the total number of *reward points* the user has accumulated, and identifies what item can the user have given the accumulated *reward points*. Save your program as *Lastname_midExer01.cpp*

PROGRAM SKELETON
```
#include <iostream>
using namespace std;

int main()
{
    float purch;
    int points = 0;

    ...

    return 0;
}
```

INPUT
There is one floating-point input for this program. This input represents the total purchase amount of the user.

OUTPUT
Once the input is accepted, the program should be able to calculate the total number of *reward points* the user has accumulated, **using a while loop structure**. Assume that **4 reward points are earned for every 50 peso purchase of the user**. Reward points can be traded for some selected items free of any monetary charge, as stated in the table below:

Reward point range	Item
>= 1000	iPad Mini
>=800 but <1000	Rechargeable Fan
>=500 but <800	Coffee Maker
>=250 but <500	Oven Toaster

Take note: if the reward point range falls lower than 250 – **the user gets nothing.**
Entering any value less than 0 would output: **Invalid Input!**

SAMPLE INPUT

```
13125.25
10205
909.50
5011.10
7501
-1
```

SAMPLE OUTPUT

```
Points: 1048. You get an iPad Mini.
Points: 816. You get a Rechargeable Fan.
Points: 72. You get nothing.
Points: 400. You get an Oven Toaster.
Points: 600. You get a Coffee Maker.
Invalid Input!
```