

## Problem: Discount Service ; Experience: 3~5

Write a RESTFUL service which will accept user type, purchase amount and provide the discount as per given slabs. Output should be discounted amount.

Slabs for Standard user

0 - 1000 No discount

Slab1 1000 - 3000 -> 10%

Slab2 3000 - 5000 -> 15%

Slab3 5000 onward -> 20%

Slabs for Premium user

0 - 500 No discount

Slab1 500 - 1000 -> 10%

Slab2 1000 - 3000 -> 15%

Slab3 3000 - 5000 -> 20%

Slab4 5000 onward -> 25%

**Discount.csv** file containing the slab data

userType, start, end, discountPerc

Standard,1000,3000,10

Standard,3000,5000,15

Standard,5000,999999,20

Premium,500,1000,10

Premium,1000,3000,15

Premium,3000,5000,20

Premium,5000,999999,25

/discount?userType=Standard&amount=1000

### Input

/Standard/1050

How discount service should work for 1050

0 - 1000 no discount

Slab1 1000 - 3000 10% =  $(50 * 10/100) = 5$

**Discounted amount is**  $1050 - 5 = 1045$

### Input

/Standard/3500

Note that discount on 3500 will be calculated as per slabs as shown below

0 - 500 no discount

Slab1 500 - 1000 10% =  $(500 * 10/100) = 50$

slab2 1000 - 3000 15% =  $(2000 * 15/100) = 300$

slab2 3000 - 5000 20% =  $(500 * 20/100) = 100$

**Discounted amount is**  $3500 - (50 + 300 + 100) = 3050$

*Evaluation would be based on code quality, structure, readability and test coverage.*

