

Team Monty

Problem Set

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Birthday gifts

Chrabon wants to buy some items for his birthday, so he goes to shop X and buys n items, Every item has its price u and quantity q. The store he is buying from has a rule that if a customer buys more than 1000 Tk then he/she will get 20% off, Help Chrabon to find the total price.

Input:

```
3
25 4
25 3
22 4
```

Output:

Total cost: 263

Solution:

```
i = []
n=int(input("Enter the items number:"))

for _ in range(n):
    u = int(input("Enter the price: "))
    q = int(input("Enter the quantity: "))
    i.append((u, q))

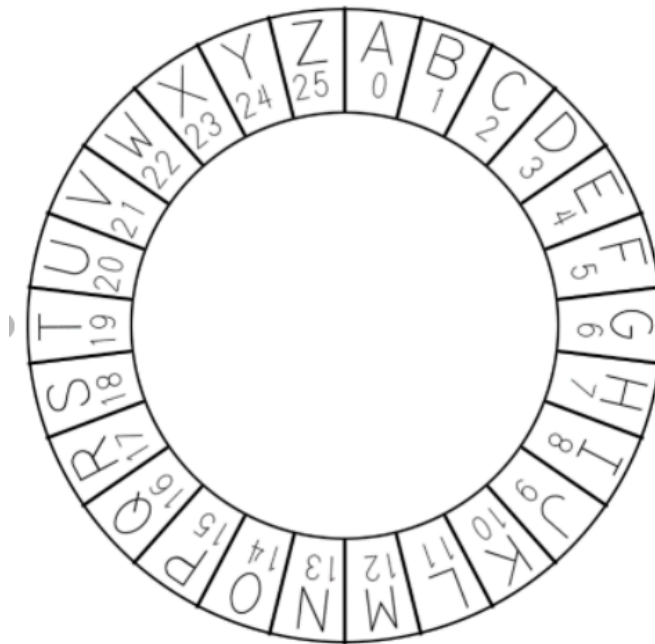
t = sum(u * q for u, q in i)
```

```

if(t<=1000):
    print(t-(t*0.2))
else:
    print(f"Total cost: {t}")

```

Way to Python-Lab



Amit is trying to get to his Python-Lab class as soon as possible, You are given a **string s** .Amit starts his journey from first letter of the string **s** and the Lab is located on the last letter of the string, find fastest way to reach Python-lab so amit can give his attendance on time.

Help amit to find his way to Lab

Input:

az

Output:

Min cost: 1

Solution:

```
s = input("Enter a string: ")
min_cost = 0
for i in range(1, len(s)):
    diff = abs(ord(s[i]) - ord(s[i-1]))    # Calculate the absolute
difference in ASCII values
    min_cost += min(diff, 26 - diff)        # Determine the minimum cost
print("Min-cost:", min_cost)
```