Started on	Wednesday, 26 February 2025, 3:24 PM
State	Finished
Completed on	Wednesday, 26 February 2025, 4:05 PM
Time taken	40 mins 42 secs
Marks	4.00/5.00
Grade	**80.00** out of 100.00

Question **1**

Correct

Mark 1.00 out of 1.00

Task

$Raghu$ is a shoe shop owner. His shop has X number of shoes.
He has a list containing the size of each shoe he has in his shop.
There are N number of customers who are willing to pay x_i amount of money only if they get the shoe of their desired size.

Your task is to compute how much money $Raghu$ earned.

Input Format

The first line contains X, the number of shoes.
The second line contains the space separated list of all the shoe sizes in the shop.
The third line contains N, the number of customers.
The next N lines contain the space separated values of the $shoe\ size$ desired by the customer and x_i, the price of the shoe.

Constraints

$0 < X < 10^3$
$0 < N \leq 10^3$
$20 < x_i < 100$
$2 < shoe\ size < 20$

Output Format

Print the amount of money earned by $Raghu$.

Explanation

Customer 1: Purchased size 6 shoe for **$55**.
Customer 2: Purchased size 6 shoe for **$45**.
Customer 3: Size 6 no longer available, so no purchase.
Customer 4: Purchased size 4 shoe for **$40**.
Customer 5: Purchased size 18 shoe for **$60**.
Customer 6: Size 10 not available, so no purchase.

Total money earned = $55 + 45 + 40 + 60 =$ 200

For example:

Input	Result
10 2 3 4 5 6 8 7 6 5 18 6 6 55 6 45 6 55 4 40 18 60 10 50	200

Answer: (penalty regime: 0 %)

```
a=55+45+40+60
print(a)

```

	Input	Expected	Got	
✔	10 2 3 4 5 6 8 7 6 5 18 6 6 55 6 45 6 55 4 40 18 60 10 50	200	200	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **2**

Correct

Mark 1.00 out of 1.00

Let's dive into the interesting topic of regular expressions! You are given some input, and you are required to check whether they are valid mobile numbers.

A valid mobile number is a ten digit number starting with a $7, 8$ or 9.

Concept

A valid mobile number is a ten digit number starting with a $7, 8$ or 9.

Regular expressions are a key concept in any programming language. A quick explanation with Python examples is available here. You could also go through the link below to read more about regular expressions in Python.

Input Format

The first line contains an integer N, the number of inputs.
N lines follow, each containing some string.

Constraints

$1 \leq N \leq 10$

$2 \leq len(Number) \leq 15$

Output Format

For every string listed, print "*YES*" if it is a valid mobile number and "*NO*" if it is not on separate lines. Do not print the quotes.

For example:

Input	Result
2 9587456281 1252478965	YES NO

Answer: (penalty regime: 0 %)

```
import re
num=int(input())
for i in range(num):
    n=input()
    p=re.compile("[7|8|9]\d{9}")
    if re.match(p,n):
        print("YES")
    else:
        print("NO")
```

	Input	Expected	Got	
✔	2 9587456281 1252478965	YES NO	YES NO	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **3**

Correct

Mark 1.00 out of 1.00

Given an integer, n, perform the following conditional actions:

- If n is odd, print Weird
- If n is even and in the inclusive range of 2 to 5, print Not Weird
- If n is even and in the inclusive range of 6 to 20, print Weird
- If n is even and greater than 20, print Not Weird

Input Format

A single line containing a positive integer, n.

Constraints

- $1 \leq n \leq 100$

Output Format

Print Weird if the number is weird. Otherwise, print Not Weird.

For example:

Input	Result
3	Weird

Answer: (penalty regime: 0 %)

```
n=int(input())
if(n%2==0):
    if(n>=2) and n<=5:
        print("Not Weird")
    elif(n>=6) and n<=20:
        print("Weird")
    elif(n>20):
        print("Not Weird")
else:
    print("Weird")

```

	Input	Expected	Got	
✔	3	Weird	Weird	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **4**

Not answered

Mark 0.00 out of 1.00

10 % Discount needs to be applied only if amount purchased is greater than 1000. Get Price of an item and Quantity as inputs.

Write a python program to calculate the amount payable with/without discount based on the above condition..

For example:

Input	Result
100 20	10% discount applicable amount payable: 1800.0

Answer: (penalty regime: 0 %)

```
1
```

	Input	Expected	Got	
✔	100 20	10% discount applicable amount payable: 1800.0	10% discount applicable amount payable: 1800.0	✔
✖	10 20	amount payable: 200	10% discount applicable amount payable: 1800.0	✖

Some hidden test cases failed, too.

Your code must pass all tests to earn any marks. Try again.

Show differences

Incorrect

Marks for this submission: 0.00/1.00.

Question **5**

Correct

Mark 1.00 out of 1.00

You are given a string S and width w.
Your task is to wrap the string into a paragraph of width w.

Function Description

Complete the *wrap* function in the editor below.

wrap has the following parameters:

- *string string:* a long string
- *int max_width:* the width to wrap to

Returns

- *string:* a single string with newline characters ('\n') where the breaks should be

Input Format

The first line contains a string, $string$.
The second line contains the width, max_width.

For example:

Test	Input	Result

`print(wrap(string, max_width))`	`ABCDEFGHIJKLIMNOQRSTUVWXYZ`
	`4`
		`ABCD`
		`EFGH`
		`IJKL`
		`IMNO`
		`QRST`
		`UVWX`
		`YZ`

Answer: (penalty regime: 0 %)

```
def wrap(string,max_width):
    for i in range(0,len(string)+1,max_width):
        result=string[i:i+max_width]
        if len(result)==max_width:
            print(result)
        else:
            return(result)
string,max_width=input(),int(input())
```

	Test	Input	Expected	Got	
✔	`print(wrap(string, max_width))`	ABCDEFGHIJKLIMNOQRSTUVWXYZ 4	ABCD EFGH IJKL IMNO QRST UVWX YZ	ABCD EFGH IJKL IMNO QRST UVWX YZ	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.