RAJALAKSHMI ENGINEERING COLLEGE

RAJALAKSHMI NAGAR, THANDALAM – 602 105



GE23231 PROGRAMMING USING PYTHON

Record Note Book

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Year: I

Semester: II

Department: CIVIL ENGINEERING

Academic Year: 2023-2024

<u>Dashboard</u> / <u>My courses</u> / <u>PSPP/PUP</u> / <u>Experiments based on Variables, Datatypes in Python.</u> / <u>Week1 Quiz</u>

Started on	Thursday, 14 March 2024, 10:57 AM
State	Finished
Completed on	Thursday, 14 March 2024, 11:05 AM
Time taken	8 mins 37 secs
Grade	10.00 out of 10.00 (100 %)
Question 1	
Correct	
Mark 1.00 out of 1.00	
What will be the ou	atput of the following code snippet?
print(type(5 / 2))	
a. str	
O b. int	
O c. obj	
Your answer is corre	ect.
The correct answer	is:
float	
Question 2	
Correct	
Mark 1.00 out of 1.00	
What will be the da	statype of the var in the below code snippet?
var = 10	tatype of the var in the below code shippet:
print(type(var))	
var = "Hello"	
print(type(var))	
print(type(var))	
a. int and str	✓
b. float and s	tr
c. int and int	
d. No output	
G. No output	
Your answer is corre	ect.
The correct answer	is:

int and str

724, 10.00 I W	Weeki_Quiz.Attempt review NEO-1 0
Question 3	
Correct	
Mark 1.00 out of 1.00	
Which of the following <u>functions</u> is a built-in function in pyth	on language?
a. printf()	
O b. scanf()	
⊚ c. print() ✓	
O d. val()	
Your answer is correct.	
The correct answer is:	
print()	
Question 4	
Correct	
Mark 1.00 out of 1.00	
What will be the output of the following code snippet?	
a = 3	
b = 1	
print(a, b)	
a, b = b, a	
print(a, b)	
⊚ a. 31 ✓	
13	
O b. 31	
3 1	
o c. No output	
O d. 13	
3 1	
Your answer is correct.	
The correct answer is:	
3 1	
13	

/24, 10:08 PM	Week1_Quiz: Attempt review REC-PS
Question 5	
Correct	
Mark 1.00 out of 1.00	
Who developed the Python language?	
a. Von Neumann	
b. Dennis Ritchie	
od. Bill Gates	
Your answer is correct.	
The correct answer is:	
Guido Van Rossum	
Question 6	
Correct	
Correct	
Correct Mark 1.00 out of 1.00 What will be the output of the following pytho	on Code-
Correct Mark 1.00 out of 1.00	on Code-
Correct Mark 1.00 out of 1.00 What will be the output of the following pytho	on Code-
Correct Mark 1.00 out of 1.00 What will be the output of the following pythomystring="India is my country"	on Code-
Correct Mark 1.00 out of 1.00 What will be the output of the following pythomystring="India is my country" print(type(mystring))	on Code-
Correct Mark 1.00 out of 1.00 What will be the output of the following pythomystring="India is my country" print(type(mystring)) a. class str	on Code-
Correct Mark 1.00 out of 1.00 What will be the output of the following pythomystring="India is my country" print(type(mystring)) a. class str b. <class 'str'="" 'str'<="" c.="" td="" →=""><td>on Code-</td></class>	on Code-
Correct Mark 1.00 out of 1.00 What will be the output of the following pythomystring="India is my country" print(type(mystring)) a. class str b. <class 'str'=""> ✓</class>	on Code-
Correct Mark 1.00 out of 1.00 What will be the output of the following pythomystring="India is my country" print(type(mystring)) a. class str b. <class 'str'="" c.="" d.="" str<="" td="" →="" ✓=""><td>on Code-</td></class>	on Code-
Correct Mark 1.00 out of 1.00 What will be the output of the following pythomystring="India is my country" print(type(mystring)) a. class str b. <class 'str'="" 'str'<="" c.="" td="" →=""><td>on Code-</td></class>	on Code-

Question 7
Correct
Mark 1.00 out of 1.00
What do we use to define a block of code in Python language?
■ a. Indentation ✓
○ b. Parenthesis
○ c. Curly brace
○ d. Key
Your answer is correct.
The correct answer is:
Indentation
Question 8 Correct
Mark 1.00 out of 1.00
Which one of the following is the correct extension of the Python file?
○ ap
○ bcpp
○ cpython
Your answer is correct.
The correct answer is:
.py
Question 9
Correct
Mark 1.00 out of 1.00
Type the code to get float input from the keyboard (No peed to assign to a variable)
Type the code to get float input from the keyboard. (No need to assign to a variable)
Answer: float(input())
The correct answer is: float(input())

w w w .rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=626&cmid=87

Question **10**Correct

Mark 1.00 out of 1.00

Which of the following declarations is incorrect in python language?

- a. x y z p = 5000 6000 7000 8000
- b. x,y,z,p = 5000, 6000, 7000, 8000
 ✓
- $x_y_z_p = 5,000,000$
- \circ d. xyzp = 5,000,000

Your answer is correct.

The correct answer is:

x,y,z,p = 5000, 6000, 7000, 8000

■ Basics of Python

Jump to...

Week1_Coding ►

<u>Dashboard</u> / <u>My courses</u> / <u>PSPP/PUP</u> / <u>Experiments based on Variables, Datatypes in Python.</u> / <u>Week1 Coding</u>

Started on	Thursday, 14 March 2024, 11:14 AM
State	Finished
Completed on	Thursday, 14 March 2024, 12:35 PM
Time taken	1 hour 20 mins
Marks	6.00/6.00
Grade	100.00 out of 100.00

Question **1**Correct

Mark 1.00 out of 1.00

Write a program to convert strings to an integer and float and display its type.

Sample Input:

10

10.9

Sample Output:

10,<class 'int'>

10.9, < class 'float'>

For example:

Input	Result	
10	10, <class 'int'=""></class>	
10.9	10.9, <class 'float'=""></class>	

Answer: (penalty regime: 0 %)

Ace editor not ready. Perhaps reload page?

Falling back to raw text area.

```
a=int(input())
b=float(input())
print(a,type(a),sep=",")
print(round(b,1),type(b),sep=",")
```

	Input	Expected	Got	
~	10 10.9	10, <class 'int'=""> 10.9,<class 'float'=""></class></class>	10, <class 'int'=""> 10.9,<class 'float'=""></class></class>	~
~	12 12.5	12, <class 'int'=""> 12.5,<class 'float'=""></class></class>	12, <class 'int'=""> 12.5,<class 'float'=""></class></class>	~
~	89 7.56	89, <class 'int'=""> 7.6,<class 'float'=""></class></class>	89, <class 'int'=""> 7.6,<class 'float'=""></class></class>	~
~	55000 56.2	55000, <class 'int'=""> 56.2,<class 'float'=""></class></class>	55000, <class 'int'=""> 56.2,<class 'float'=""></class></class>	~
~	2541 2541.679	2541, <class 'int'=""> 2541.7,<class 'float'=""></class></class>	2541, <class 'int'=""> 2541.7,<class 'float'=""></class></class>	~

Passed all tests! 🗸



Marks for this submission: 1.00/1.00.

Question $\bf 2$

Correct

Mark 1.00 out of 1.00

Ramesh's basic salary is input through the keyboard. His dearness allowance is 40% of his basic salary, and his house rent allowance is 20% of his basic salary. Write a program to calculate his gross salary.

Sample Input:

10000

Sample Output:

16000

For example:

Input	Result
10000	16000

Answer: (penalty regime: 0 %)

Ace editor not ready. Perhaps reload page?

Falling back to raw text area.

```
sal=int(input())
gross_sal=sal+(sal*0.4)+(sal*0.2)
print(gross_sal)
```

	Input	Expected	Got	
~	10000	16000	16000.0	~
~	20000	32000	32000.0	~
~	28000	44800	44800.0	~
~	5000	8000	8000.0	~

Passed all tests! ✓

Correct

Question **3**Correct

Mark 1.00 out of 1.00

Write a simple python program to find the square root of a given floating point number. The output should be displayed with 3 decimal places.

Sample Input:

8.00

Sample Output:

2.828

For example:

Input	Result
14.00	3.742

Answer: (penalty regime: 0 %)

Ace editor not ready. Perhaps reload page?

Falling back to raw text area.

```
import math
a=float(input())
print(round(math.sqrt(a),3))
```

	Input	Expected	Got	
~	8.00	2.828	2.828	~
~	14.00	3.742	3.742	~
~	4.00	2.000	2.0	~
~	487	22.068	22.068	~

Passed all tests! <

Correct

Question 4
Correct
Mark 1.00 out of 1.00

Alfred buys an old scooter for Rs. X and spends Rs. Y on its repairs. If he sells the scooter for Rs. Z (Z>X+Y). Write a program to help Alfred to find his gain percent. Get all the above-mentioned values through the keyboard and find the gain percent.

Input Format:

The first line contains the Rs X

The second line contains Rs Y

The third line contains Rs Z

Sample Input:

10000

250

15000

Sample Output:

46.34 is the gain percent.

For example:

Input	Result
45500	30.43 is the gain percent.
500	
60000	

Answer: (penalty regime: 0 %)

Ace editor not ready. Perhaps reload page?

Falling back to raw text area.

```
x=int(input())
y=int(input())
expense=x+y
sale=int(input())
profit=sale-expense
perc=profit/expense*100
print(f"{perc:.2f} is the gain percent.")
```

	Input	Expected	Got	
~	10000 250 15000	46.34 is the gain percent.	46.34 is the gain percent.	~
~	45500 500 60000	30.43 is the gain percent.	30.43 is the gain percent.	~

	Input	Expected	Got	
~	5000 0 7000	40.00 is the gain percent.	40.00 is the gain percent.	~
~	12500 5000 18000	2.86 is the gain percent.	2.86 is the gain percent.	~

Passed all tests! 🗸

Correct

Question 5
Correct
Mark 1.00 out of 1.00

In many jurisdictions, a small deposit is added to drink containers to encourage people to recycle them. In one particular jurisdiction, drink containers holding one liter or less have a \$0.10 deposit and drink containers holding more than one liter have a \$0.25 deposit. Write a program that reads the number of containers of each size(less and more) from the user. Your program should continue by computing and displaying the refund that will be received for returning those containers. Format the output so that it includes a dollar sign and always displays exactly two decimal places.

Sample Input

10

20

Sample Output

Your total refund will be \$6.00.

For example:

Input	Result
20	Your total refund will be \$7.00.
20	

Answer: (penalty regime: 0 %)

Ace editor not ready. Perhaps reload page?

Falling back to raw text area.

```
less=int(input())
more=int(input())
fund_less=less*0.10
fund_more=more*0.25
total_refund=fund_less+fund_more
print("Your total refund will be $","{:.2f}".format(total_refund),".",sep="")
```

	Input	Expected	Got	
~	20 20	Your total refund will be \$7.00.	Your total refund will be \$7.00.	~
~	11 22	Your total refund will be \$6.60.	Your total refund will be \$6.60.	~
~	123 200	Your total refund will be \$62.30.	Your total refund will be \$62.30.	~
~	76 38	Your total refund will be \$17.10.	Your total refund will be \$17.10.	~

Passed all tests! <



```
Question 6

Correct

Mark 1.00 out of 1.00
```

Justin is a carpenter who works on an hourly basis. He works in a company where he is paid Rs 50 for an hour on weekdays and Rs 80 for an hour on weekends. He works 10 hrs more on weekdays than weekends. If the salary paid for him is given, write a program to find the number of hours he has worked on weekdays and weekends.

Hint:

If the final result(hrs) are in -ve convert that to +ve using abs() function

The abs() function returns the absolute value of the given number.

```
number = -20
absolute_number = abs(number)
print(absolute_number)
# Output: 20
```

Sample Input:

450

Sample Output:

weekdays 10.38

weekend 0.38

For example:

Input	Result
450	weekdays 10.38 weekend 0.38

Answer: (penalty regime: 0 %)

Ace editor not ready. Perhaps reload page?

Falling back to raw text area.

```
sal=int(input())
weekend_sal=abs((sal-500)/130)
weekday_sal=weekend_sal+10
print("weekdays",f"{weekday_sal:.2f}")
print("weekend",f"{weekend_sal:.2f}")
```

	Input	Expected	Got	
~	450	weekdays 10.38 weekend 0.38	weekdays 10.38 weekend 0.38	~

	Input	Expected	Got	
~	500	weekdays 10.00 weekend 0.00	weekdays 10.00 weekend 0.00	~
~	10000	weekdays 83.08 weekend 73.08	weekdays 83.08 weekend 73.08	~
~	6789	weekdays 58.38 weekend 48.38	weekdays 58.38 weekend 48.38	~

Passed all tests! 🗸

Correct

Marks for this submission: 1.00/1.00.

■ Week1_Quiz

Jump to...

Operators -

<u>Dashboard</u> / <u>My courses</u> / <u>PSPP/PUP</u> / <u>Operators and Formatting Output.</u> / <u>Week2 MCQ</u>

Started on	Sunday, 24 March 2024, 2:53 PM
	Finished
	Sunday, 24 March 2024, 3:07 PM
Time taken	14 mins 15 secs
Grade	14.00 out of 15.00 (93.33 %)
Question 1	
Correct	
Mark 1.00 out of 1.00	
What is the two's co	omplement of -44?
a. 10110011	
b. 1011011	
c. 11101011	
d. 11010100	
© d. 11010100	
Your answer is corre	
The correct answer 11010100	is:
11010100	
2	
Question 2 Correct	
Mark 1.00 out of 1.00	
What will be the v	alue of x in the following Python expression, if the result of that expression is 2?
x>>2	
a. 8 ✓	
b. 4	
O c. 1	
O d. 2	
Your answer is corre	
The correct answer 8	is.

	
Question 3	
Correct	
Mark 1.00 out of 1.00	

What is the output of the following code

x = 5

y = 3

print(x == y)

- a. True
- b. 5==3
- d. Error

Your answer is correct.

The correct answer is:

False

Question 4		
Correct		
Mark 1.00 out of 1.00		

What is the output of the following code

x = ["apple", "banana"]
y = ["apple", "banana"]
z = x
print(x is z)
print(x is y)
print(x == y)

a. True False False

b. True True True

● c. True ✓
False
True

d. False False True

Your answer is correct.

The correct answer is:

True

False

True

Question 5		
Correct		
Mark 1.00 out of 1.00		

What is the output of the following code

x = ["apple", "banana", "cherry"]

#display the data type of x:

print(type(x))

- Your answer is correct.

The correct answer is:

<class '<u>list</u>'>

Question 6	
Correct	
Mark 1.00 o	ut of 1.00
What is	the output of the following code
x = 8	the output of the following code
y = 2	
print(x	
print(x	z // y)
○ a.	64
0.1	
O b.	
О с.	
	8
d.	64 🗸
	4
Your an	swer is correct.
	rect answer is:
64	
4	
Question 7	
Correct	
Mark 1.00 o	ut of 1.00
Which	of the following type of Python operator will only print True or False in output when we use it in our program?
○ a.	Membership Operator
O b.	Assignment Operator
○ c.	Arithmetic Operator
d.	Comparison Operator ✓
Variation	
	swer is correct.
rne cor	rect answers are:
Membe	ership Operator,
Compa	rison Operator



What is the output of the following code

x = 1j #display x: print(x)

#display the data type of x:

print(type(x))

- a. lj <class 'object'>

- <class 'complex'>

Your answer is correct.

The correct answer is:

IJ

<class 'complex'>

Question **9**

Correct

Mark 1.00 out of 1.00

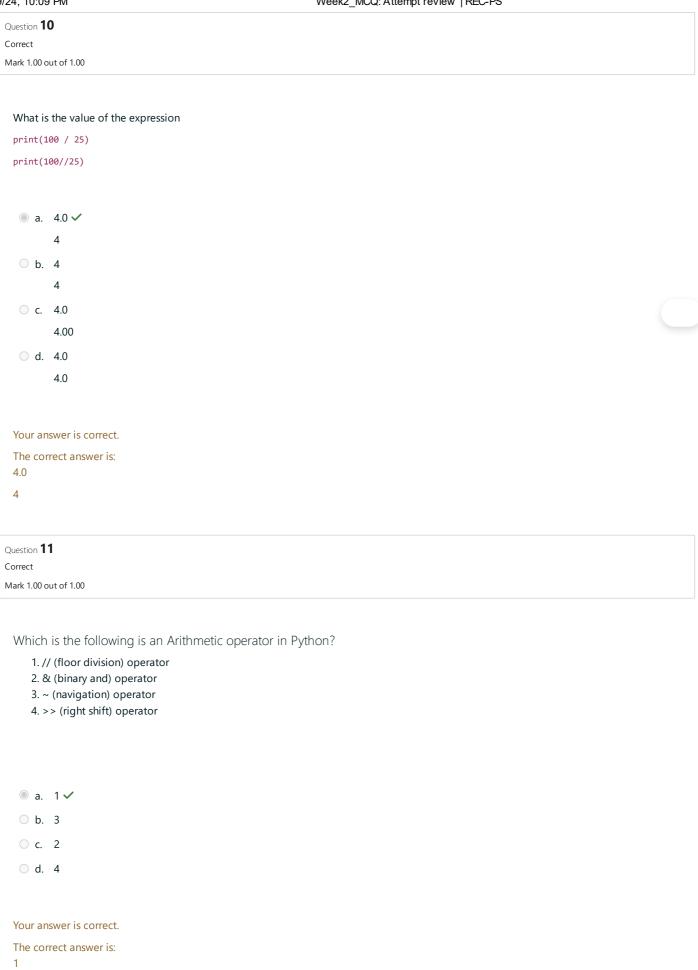
What will be the output of the following statement?

- a. 19.0
- Ob. 19
- o. 12
- d. 24.0
 ✓

Your answer is correct.

The correct answer is:

24.0





Correct

Mark 1.00 out of 1.00

Which of the following statements assigns the value 35 to the variable \boldsymbol{x} in Python:



d. int x = 35

Your answer is correct.

The correct answer is:

x = 35

Question 13

Correct

Mark 1.00 out of 1.00

What is the output of the following expression?

z=2

z**=3

print(z)

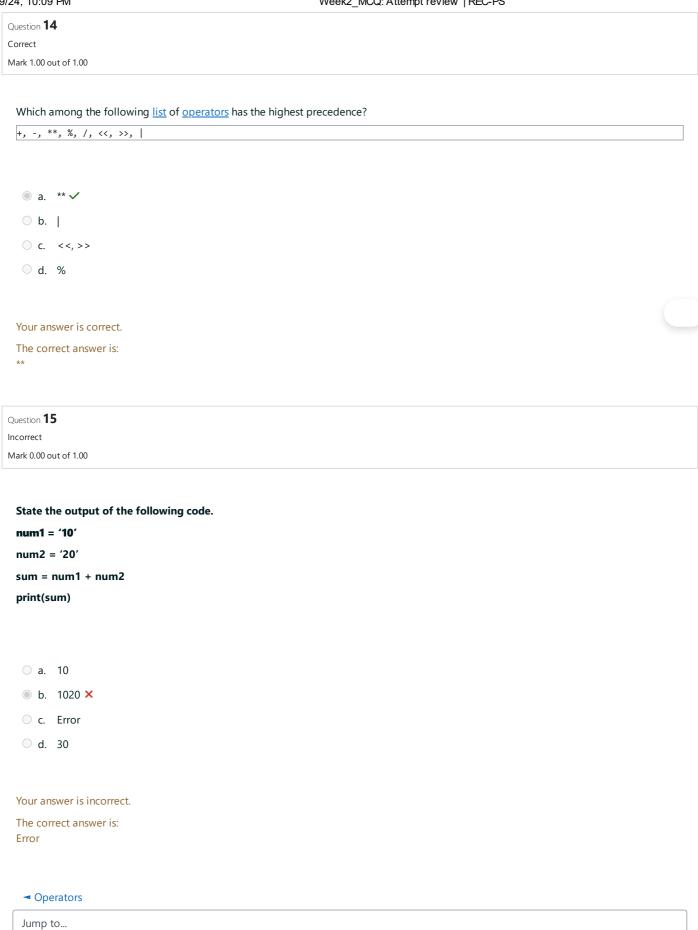
- a. Error
- b. 8

 ✓
- oc. 0
- Od. 3

Your answer is correct.

The correct answer is:

8



Week2_Coding ►

<u>Dashboard</u> / <u>My courses</u> / <u>PSPP/PUP</u> / <u>Operators and Formatting Output.</u> / <u>Week2 Coding</u>

Started on	Sunday, 24 March 2024, 3:13 PM
State	Finished
Completed on	Wednesday, 27 March 2024, 8:14 PM
Time taken	3 days 5 hours
Overdue	1 day 5 hours
Marks	19.00/19.00
Grade	100.00 out of 100.00

Question **1**

Mark 1.00 out of 1.00

Mr. X's birthday is in next month. This time he is planning to invite N of his friends. He wants to distribute some chocolates to all of his friends after the party. He went to a shop to buy a packet of chocolates. At the chocolate shop, 4 packets are there with different numbers of chocolates. He wants to buy such a packet which contains a number of chocolates, which can be distributed equally among all of his friends. Help Mr. X to buy such a packet.

Input Given:

N-No of friends

P1,P2,P3 AND P4-No of chocolates

OUTPUT:

"True" if he can buy that packet and "False" if he can't buy that packet.

SAMPLE INPUT AND OUTPUT:

5

25

12

10

9

OUTPUT

True False True False

For example:

Result			
True	False	True	True
			Result True False True

Answer: (penalty regime: 0 %)

	Input	Expected	Got	
~	5	True False True True	True False True True	~
	25			
	23			
	20			
	10			
~	4	False True False True	False True False True	~
	23			
	24			
	21			
	12			
~	8	True True True True	True True True True	~
	64			
	8			
	16			
	32			
	1		I .	

Passed all tests! 🗸

Correct

Question **2**

Mark 1.00 out of 1.00

Note:

Dont use if-else. Operators alone must be used .

A team from the Rotract club had planned to conduct a rally to create awareness among the Coimbatore people to donate blood. They conducted the rally successfully. Many of the Coimbatore people realized it and came forward to donate their blood to nearby blood banks. The eligibility criteria for donating blood are people should be above or equal to 18 and his/ her weight should be above 40. There was a huge crowd and staff in the blood bank found it difficult to manage the crowd. So they decided to keep a system and ask the people to enter their age and weight in the system. If a person is eligible he/she will be allowed inside.

Write a program and feed it to the system to find whether a person is eligible or not.

Input Format:

Input consists of two integers that correspond to the age and weight of a person respectively.

Output Format:

Display True(IF ELIGIBLE)

Display False (if not eligible)

Sample Input

19

45

Sample Output

True

For example:

Input	Result
18	False
40	

Answer: (penalty regime: 0 %)

1 age=int(input())
2 weight=int(input())
3 print(age>=18 and weight>40)

	Input	Expected	Got	
~	19 45	True	True	~
~	18 40	False	False	~
~	18 42	True	True	~
~	16 45	False	False	~

Passed all tests! 🗸

Correct

```
Question 3
Correct
Mark 1.00 out of 1.00
```

Mr.Ram has been given a problem kindly help him to solve it. The input of the program is either 0 or 1. IF 0 is the input he should display "C" if 1 is the input it should display "D". There is a constraint that Mr. Ram should use either logical <u>operators</u> or arithmetic <u>operators</u> to solve the problem, not anything else.

Hint:

Use ASCII values of C and D.

Input Format:

An integer x, 0 < = x < = 1.

Output Format:

output a single character "C" or "D"depending on the value of x.

```
Input 1:
0
Output 1:
C
```

```
Input 2:

1
Output 1:
D
```

For example:

Input	Result
0	С

Answer: (penalty regime: 0 %)

```
1 v def dis(input_value):
2
       if input_value==0:
3
           print("C")
4
       elif input_value==1:
5
           print("D")
6
       else:
7
           return()
   input_value=int(input())
8
  dis(input_value)
```

	Input	Expected	Got	
~	0	С	С	~
~	1	D	D	~

Passed all tests! ✓

Correct

```
Question 4
Correct
Mark 1.00 out of 1.00
```

In the 1800s, the battle of Troy was led by Hercules. He was a superstitious person. He believed that his crew can win the battle only if the total count of the weapons in hand is in multiple of 3 and the soldiers are in an even number of count. Given the total number of weapons and the soldier's count, Find whether the battle can be won or not according to Hercules's belief. If the battle can be won print True otherwise print False.

Input format:

Line 1 has the total number of weapons

Line 2 has the total number of Soldiers.

Output Format:

If the battle can be won print True otherwise print False.

Sample Input:

32

43

Sample Output:

False

For example:

Input	Result
32	False
43	

Answer: (penalty regime: 0 %)

```
1 v def con(wep,sol):
2 🔻
        if wep%3==0 and so1%2==0:
 3
            return True
4 ▼
        else:
 5
            return False
   wep=int(input())
 6
7
    sol=int(input())
8
    res=con(wep,sol)
9
    print(res)
10
11
```

	Input	Expected	Got	
~	32 43	False	False	~
~	273 7890	True	True	~
~	800 4590	False	False	~

	Input	Expected	Got	
~	6789 32996	True	True	~

Passed all tests! ✓

Correct

Question ${\bf 5}$

Correct

Mark 1.00 out of 1.00

Write a program that returns the last digit of the given number. Last digit is being referred to the least significant digit i.e. the digit in the ones (units) place in the given number.

The last digit should be returned as a positive number.

For example,

if the given number is 197, the last digit is 7

if the given number is -197, the last digit is 7

For example:

Input	Result
197	7
-197	7

Answer: (penalty regime: 0 %)

- 1 num=abs(int(input()))
- 2 1=num%10
- 3 print(1)

	Input	Expected	Got	
~	197	7	7	~
~	-197	7	7	~

Passed all tests! <

Correct

Question **6**Correct

Mark 1.00 out of 1.00

Pretend that you have just opened a new savings account that earns 4 percent interest per year. The interest that you earn is paid at the end of the year, and is added to the balance of the savings account. Write a program that begins by reading the amount of money deposited into the account from the user. Then your program should compute and display the amount in the savings account after 1, 2, and 3 years. Display each amount so that it is rounded to 2 decimal places. Sample Input: 10000 Sample Output: Balance as of end of Year 1: \$10400.00. Balance as of end of Year 2: \$10816.00. Balance as of end of Year 3: \$11248.64.

For example:

Inp	ut	Result							
100	00	Balance	as	of	end	of	Year	1:	\$10400.00.
		Balance	as	of	end	of	Year	2:	\$10816.00.
		Balance	as	of	end	of	Year	3:	\$11248.64.

Answer: (penalty regime: 0 %)

```
dp=float(input())
by1=dp*1.04
by2=by1*1.04
by3=by2*1.04
print("Balance as of end of Year 1: ${::.2f}.".format(by1))
print("Balance as of end of Year 2: ${:.2f}.".format(by2))
print("Balance as of end of Year 3: ${:.2f}.".format(by3))
```

	Input	Expected	Got	
~	10000	Balance as of end of Year 1: \$10400.00. Balance as of end of Year 2: \$10816.00. Balance as of end of Year 3: \$11248.64.	Balance as of end of Year 1: \$10400.00. Balance as of end of Year 2: \$10816.00. Balance as of end of Year 3: \$11248.64.	~
~	20000	Balance as of end of Year 1: \$20800.00. Balance as of end of Year 2: \$21632.00. Balance as of end of Year 3: \$22497.28.	Balance as of end of Year 1: \$20800.00. Balance as of end of Year 2: \$21632.00. Balance as of end of Year 3: \$22497.28.	~

Passed all tests! ✓

Correct

Question **7**Correct

Mark 10.00 out of 10.00

An online retailer sells two products: widgets and gizmos. Each widget weighs 75 grams. Each gizmo weighs 112 grams. Write a program that reads the number of widgets and the number of gizmos from the user. Then your program should compute and display the total weight of the parts.

Sample Input:

10

20

Sample Output:

The total weight of all these widgets and gizmos is 2990 grams.

Answer: (penalty regime: 0 %)

	Input	Expected	Got	
~	10 20	The total weight of all these widgets and gizmos is 2990 grams.	The total weight of all these widgets and gizmos is 2990 grams.	~

Passed all tests! ✓

Correct

Question **8**Correct

Mark 1.00 out of 1.00

In London, every year during Dasara there will be a very grand doll show. People try to invent new dolls of different varieties. The best-sold doll's creator will be awarded with a cash prize. So people broke their heads to create dolls innovatively. Knowing this competition, Mr.Lokpaul tried to create a doll that sings only when an even number is pressed and the number should not be zero and greater than 100.

IF Lokpaul wins print true, otherwise false.

Sample Input

10

Sample Output

True

Explanation:

Since 10 is an even number and a number between 0 and 100, True is printed

For example:

Input	Result
101	False

Answer: (penalty regime: 0 %)

	Input	Expected	Got	
~	56	True	True	~
~	101	False	False	~
~	-1	False	False	~

Passed all tests! ✓

Correct

Question **9**Correct
Mark 1.00 out of 1.00

Write a python program that takes a integer between 0 and 15 as input and displays the number of '1' s in its binary form.(Hint:use python bitwise operator.

Sample Input

3

Sample Output:

2

Explanation:

The binary representation of 3 is 011, hence there are 2 ones in it. so the output is 2.

For example:

Input	Result
3	2

Answer: (penalty regime: 0 %)

	Input	Expected	Got	
~	3	2	2	~
~	5	2	2	~
~	15	4	4	~

Passed all tests! ✓

Correct

Question 10

Correct

Mark 1.00 out of 1.00

The program that you create for this exercise will begin by reading the cost of a meal ordered at a restaurant from the user. Then your program will compute the tax and tip for the meal. Use your local tax rate (5 percent) when computing the amount of tax owing. Compute the tip as 18 percent of the meal amount (without the tax). The output from your program should include the tax amount, the tip amount, and the grand total for the meal including both the tax and the tip. Format the output so that all of the values are displayed using two decimal places.

Sample Input

100

Sample Output

The tax is 5.00 and the tip is 18.00, making the total 123.00

For example:

Input	Resi	ult											
100	The	tax	is	5.00	and	the	tip	is	18.00,	making	the	total	123.00

Answer: (penalty regime: 0 %)

- 1 mealcost=float(input())
- taxrate=0.05
- 3 tiprate=0.18
- 4 | taxamount=mealcost*taxrate
- 5 | tipamount=mealcost*tiprate
- totalamount=mealcost+taxamount+tipamount
- 7 |print("The tax is $\{:.2f\}$ and the tip is $\{:.2f\}$, making the total $\{:.2f\}$ ".format(taxamount,tipamount,totalamount)

	Input	Expected	Got	
~	100	The tax is 5.00 and the tip is 18.00, making the total 123.00	The tax is 5.00 and the tip is 18.00, making the total 123.00	~
~	250	The tax is 12.50 and the tip is 45.00, making the total 307.50	The tax is 12.50 and the tip is 45.00, making the total 307.50	~

Passed all tests! <

Correct

Marks for this submission: 1.00/1.00.

■ Week2_MCQ

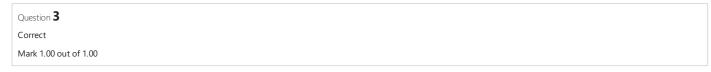
Jump to...

Selection control structures ►

<u>Dashboard</u> / <u>My courses</u> / <u>PSPP/PUP</u> / <u>Algorithmic Approach: Selection control structures</u> / <u>Week3 mcq</u>

	F' FA 110004 400 AM
	Friday, 5 April 2024, 1:26 AM Finished
	Friday, 5 April 2024, 1:32 AM
	6 mins 38 secs
Grade	10.00 out of 15.00 (66.67 %)
4	
Question 1 Incorrect	
Mark 0.00 out of 1.00	
VAZIL A LE SIL II A AILA A	to the defeller falls of a sector
	ttput for the following code?
if False:	
print("1001")	
else:	
print("2002")	
a. 1001 ×	
b. syntax erro	r
c. 2002	
C. 2002	
Your answer is inco	rrect.
The correct answer	is:
2002	
Question 2	
Incorrect	
Mark 0.00 out of 1.00	
What is the output of	the following snippet if 5 is given as the input?
- Samuel (NEarly	
<pre>c = input("Ent print(c * 3)</pre>	er a number: ")
○ a. 555	
b. 15 ×	
O c. 8	
O d. 2	
Your answer is inco	rrect.
The correct answer	

555



What is the output of the following code snippet?

```
a = "Hi"
b = "Arjuna"
c = "Bhimaa"
print("Hi", a, b, c)
```

- a. Hi Arjuna Bhimaa Hi
- b. Hi Hi Arjuna Bhimaa
- C. Hi Arjuna Bhimaa
- Od. Hi Arjuna Hi Bhimaa

Your answer is correct.

The correct answer is: Hi Hi Arjuna Bhimaa

Question **4**Incorrect
Mark 0.00 out of 1.00

What is the output of the following code

x=3
if x>2 or x<5 and x==6:
 print("ok")
else:
 print("no output")</pre>

- a. ok
- b. None of the given option
- c. no output X
- d. error

Your answer is incorrect.

The correct answer is: ok

Correct	
Mark 1.00 out of 1.00	
Python supports types of control	ol structures.
a. 3 ✓	
O b. 1	
O c. 2	
O d. 4	
Your answer is correct.	
The correct answer is:	
3	
Question 6	
Correct	
Mark 1.00 out of 1.00	
Write the output of the f	ollowing code :
y=2	
if 2!=y:	
print("H")	
<pre>print("H") else :</pre>	
else :	
else :	
else : print("K")	
else : print("K") a. No output	
else : print("K") a. No output b. K ✓	
else : print("K")	
else : print("K") a. No output b. K ✓	
else : print("K")	
else : print("K")	
else: print("K") a. No output b. K c. H d. Error	

/24, 10:10 PM	Week3_mcq: Attempt review REC-PS
Question 7	
Correct	
Mark 1.00 out of 1.00	
What keyword would you use to add an all	ernative condition to an if statement?
a. elseif	
b. elif ✓	
o c. else if	
Your answer is correct.	
The correct answer is: elif	
em	
Question 8	
Correct	
Mark 1.00 out of 1.00	
What is the cutaut of the given below a	vo.gvo.m2
What is the output of the given below put $1 + 3 = 7$:	ogram:
print("Hello")	
else:	
print("REC")	
. , ,	
a. REC ✓	
 b. Compiled Successfully, No Output 	
O c. Hello	
Your answer is correct.	
The correct answer is: REC	
REC	

```
Question 9
Incorrect
Mark 0.00 out of 1.00
```

```
if true:
    print("Hello World")
```

- a. Name Error
- b. Hello World X
- c. No output

Your answer is incorrect.

The correct answer is:

Name Error

Question **10**Correct

Mark 1.00 out of 1.00

What is the output of the code given below?

```
a = -10
b = -200
c = 2000
d = 4000
if( a*b >=d):
   if(d>c):
       if(d%c!=0):
           print(11)
        else:
           print(22)
else:
    if(b/a >0):
       if(a<b or d%c!=0):
         print(33)
       else:
         print(44)
```

- a. 44
- O b. 11
- oc. 22
- Od. 33

Your answer is correct.

The correct answer is:

44

```
6/19/24, 10:10 PM
                                                         Week3_mcq: Attempt review | REC-PS
    Question 11
    Correct
    Mark 1.00 out of 1.00
     if(x=-1):
       print("present")
     else:
       print("absent")
      a. absent
      b. Runtime Error
      oc. compilation error
      Your answer is correct.
     The correct answer is:
     present
    Question 12
    Correct
    Mark 1.00 out of 1.00
     What is the output of the following code.
      a=90
      if a>100:
             if(a<=90 and a==90):
                   print("REC")
                   print("OPEN-ELECTIVE")
      oa. REC
             OPEN-ELECTIVE
```

- O b. REC
- c. OPEN-ELECTIVE
- d. No output

Your answer is correct.

The correct answer is: No output

```
Question 13
Incorrect
Mark 0.00 out of 1.00
```

What is the output of the following code.

```
a="REC"
if a in ("rec"):
    print(a)
print(a)
```

- a. REC
- b. falseREC
- © c. REC X
- Od. No output

Your answer is incorrect.

The correct answer is: REC

Question 14

Correct Mark 1.00 out of 1.00	
Leading whitespace (spaces and tabs) at the beginning of a stateme called	nt is
a. Iterationb. None of the above	
○ c. orientation◎ d. indentation ✓	
Your answer is correct. The correct answer is: indentation	
Question 15 Correct Mark 1.00 out of 1.00	
is an empty statement in Python.	
a. pass ✓b. None	
○ c. Empty ○ d. Jump	
Your answer is correct. The correct answer is: pass	
→ Selection control structures	
Jump to	
	Week3_coding ►

<u>Dashboard</u> / <u>My courses</u> / <u>PSPP/PUP</u> / <u>Algorithmic Approach: Selection control structures</u> / <u>Week3 coding</u>

Started on	Friday, 5 April 2024, 12:35 AM
State	Finished
Completed on	Friday, 5 April 2024, 1:14 AM
Time taken	38 mins 50 secs
Marks	10.00/10.00
Grade	100.00 out of 100.00

```
Question 1
Correct
Mark 1.00 out of 1.00
```

A triangle can be classified based on the lengths of its sides as equilateral, isosceles or scalene. All three sides of an equilateral triangle have the same length. An isosceles triangle has two sides that are the same length, and a third side that is a different length. If all of the sides have different lengths then the triangle is scalene.

Write a program that reads the lengths of the three sides of a triangle from the user. Then display a message that states the triangle's type.

Sample Input 1

60

60

60

Sample Output 1

That's a equilateral triangle

Sample Input 2

40

40

80

Sample Output 2

That's a isosceles triangle

Sample Input 3

50

60

70

Sample Output 3

That's a scalene triangle

For example:

Input	Result
60	That's a equilateral triangle
60	
60	
40	That's a isosceles triangle
40	
80	

```
side1=int(input())
side2=int(input())
side3=int(input())
f side1==side2 and side2==side3:
    print("That's a equilateral triangle")
elif side1==side2 or side2==side3 or side1==side3:
    print("That's a isosceles triangle")
else:
    print("That's a scalene triangle")
```

	Input	Expected	Got	
~	60 60 60	That's a equilateral triangle	That's a equilateral triangle	~
~	40 40 80	That's a isosceles triangle	That's a isosceles triangle	~
~	50 60 70	That's a scalene triangle	That's a scalene triangle	~
~	50 50 80	That's a isosceles triangle	That's a isosceles triangle	~
~	10 10 10	That's a equilateral triangle	That's a equilateral triangle	~

Passed all tests! 🗸

Correct

Marks for this submission: 1.00/1.00.

11

```
Question 2
Correct
Mark 1.00 out of 1.00
```

Write a program to find the eligibility of admission for a professional course based on the following criteria:

Marks in Maths >= 65

Marks in Physics >= 55

Marks in Chemistry >= 50

Or

Total in all three subjects >= 180

Sample Test Cases

Test Case 1

Input

70

60

80

Output

The candidate is eligible

Test Case 2

Input

50

80

80

Output

The candidate is eligible

Test Case 3

Input

50

60

40

Output

The candidate is not eligible

For example:

Input	Result
70	The candidate is eligible
60	
80	

	Input	Expected	Got	
~	70 60 80	The candidate is eligible	The candidate is eligible	~
~	50 80 80	The candidate is eligible	The candidate is eligible	~
~	50 60 40	The candidate is not eligible	The candidate is not eligible	~
~	20 10 25	The candidate is not eligible	The candidate is not eligible	~

Passed all tests! 🗸

Correct

Marks for this submission: 1.00/1.00.

11



IN / OUT

Ms. Sita, the faculty handling programming lab for you is very strict. Your seniors have told you that she will not allow you to enter the week's lab if you have not completed atleast half the number of problems given last week. Many of you didn't understand this statement and so they requested the good programmers from your batch to write a program to find whether a student will be allowed into a week's lab given the number of problems given last week and the number of problems solved by the student in that week.

Input Format:

Input consists of 2 integers.

The first integer corresponds to the number of problems given and the second integer corresponds to the number of problems solved.

Output Format:

Output consists of the string "IN" or "OUT".

Sample Input and Output:

Input

8

3

Output

OUT

For example:

Input	Result
8	OUT
3	

```
1    pg=int(input())
2    ps=int(input())
3    if ps>=pg/2:
4         print("IN")
5    else:
6         print("OUT")
```

l l		

	Input	Expected	Got	
~	8	OUT	OUT	~
~	8	IN	IN	~
~	20 9	OUT	OUT	~
~	50 31	IN	IN	~

Passed all tests! 🗸

Correct

Marks for this submission: 1.00/1.00.

11

Question **4**

Mark 1.00 out of 1.00

Write a program that returns the second last digit of the given number. Second last digit is being referred 10the digit in the tens place in the given number.

For example, if the given number is 197, the second last digit is 9.

Note1 - The second last digit should be returned as a positive number. i.e. if the given number is -197, the second last digit is 9.

Note2 - If the given number is a single digit number, then the second last digit does not exist. In such cases, the program should return -1. i.e. if the given number is 5, the second last digit should be returned as -1

For example:

Input	Result
197	9
5	-1

Answer: (penalty regime: 0 %)

	Input	Expected	Got	
~	197	9	9	~
~	-197	9	9	~
~	5	-1	-1	~
~	123456	5	5	~
~	8	-1	-1	~

Passed all tests! <

Correct

```
Question 5
Correct
Mark 1.00 out of 1.00
```

Write a program to calculate and print the Electricity bill where the unit consumed by the user is given from test case. It prints the total amount the customer has to pay. The charge are as follows:

Unit Charge / Unit
Upto 199 @1.20
200 and above but less than 400 @1.50
400 and above but less than 600 @1.80
600 and above @2.00

If bill exceeds Rs.400 then a surcharge of 15% will be charged and the minimum bill should be of Rs.100/-

Sample Test Cases

Test Case 1

Input

50

Output

100.00

Test Case 2

Input

300

Output

517.50

For example:

Input	Result
100.00	120.00
500	1035.00

```
u=float(input())
 2 v if u<=199:
 3
        b=u*1.20
 4 v elif u<400:
        b=u*1.50
 6 v elif u<600:
        b=u*1.80
 8 ⋅ else:
 9
        b=u*2.00
10 v if b>400:
11
        b+=b*0.15
12 v if b<100:
13
        b=100
14 | print(b)
```

	Input	Expected	Got	
~	50	100.00	100	~
~	100.00	120.00	120.0	~
~	500	1035.00	1035.0	~
~	700	1610.00	1610.0	~

Passed all tests! ✓

Correct

```
Question 6
Correct
Mark 1.00 out of 1.00
```

The length of a month varies from 28 to 31 days. In this exercise you will create a program that reads the name of a month from the user as a string. Then your program should display the number of days in that month. Display "28 or 29 days" for February so that leap years are addressed.

Sample Input 1

February

Sample Output 1

February has 28 or 29 days in it.

Sample Input 2

March

Sample Output 2

March has 31 days in it.

Sample Input 3

April

Sample Output 3

April has 30 days in it.

For example:

Input	Result	
February	February has 28 or 29 days in it.	

```
m=input().capitalize()
 2 if m=="January" or m=="March" or m=="May" or m=="July" or m=="August" or m=="October" or m=="December":
3
        days="31'
 4 v elif m=="April" or m=="June" or m=="September" or m=="November":
        days="30"
 6 ▼ elif m=="February":
7
        days="28 or 29"
8 ▼ else:
        days=None
10 v if days:
11
        print(f"{m} has {days} days in it.")
12 v else:
        print("Please enter a valid month name.")
```

	Input	Expected	Got	
~	February	February has 28 or 29 days in it.	February has 28 or 29 days in it.	~
~	March March has 31 days in it.		March has 31 days in it.	~
~	April	April has 30 days in it.	April has 30 days in it.	~
~	May	May has 31 days in it.	May has 31 days in it.	~

Passed all tests! 🗸

Correct

```
Question 7
Correct
Mark 1.00 out of 1.00
```

Three numbers form a Pythagorean triple if the sum of squares of two numbers is equal to the square of the third.

For example, 3, 5 and 4 form a Pythagorean triple, since 3*3 + 4*4 = 25 = 5*5

You are given three integers, a, b, and c. They need not be given in increasing order. If they form a Pythagorean triple, then print "yes", otherwise, print "no". Please note that the output message is in small letters.

Sample Input

3

5

4

Sample Output

yes

Sample Test Cases

Test Case 1

Input

3

5

4

Output

yes

Test Case 2

Input

5

8

2

Output

no

	Input	Expected	Got	
~	3 5 4	yes	yes	~
~	5 8 2	no	no	~

Passed all tests! 🗸

Correct

```
Question 8

Correct

Mark 1.00 out of 1.00
```

The Chinese zodiac assigns animals to years in a 12 year cycle. One 12 year cycle is shown in the table below. The pattern repeats from there, with 2012 being another year of the dragon, and 1999 being another year of the hare.

Year Animal

2000 Dragon

2001 Snake

2002 Horse

2003 Sheep

2004 Monkey

2005 Rooster

2006 Dog

2007 Pig

2008 Rat

2009 Ox

2010 Tiger

2011 Hare

Write a program that reads a year from the user and displays the animal associated with that year. Your program should work correctly for any year greater than or equal to zero, not just the ones listed in the table.

Sample Input 1

2010

Sample Output 1

2010 is the year of the Tiger.

Sample Input 2

2020

Sample Output 2

2020 is the year of the Rat.

```
y=int(input())
    r=y%12
 3 v if r==0:
        a="Monkey"
 4
 5 v elif r==1:
        a="Rooster"
 6
 7 v elif r==2:
        a="Dog"
 8
 9 v elif r==3:
        a="Pig
10
11 v elif r==4:
        a="Rat"
12
13 v elif r==5:
        a="0x"
14
15 v elif r==6:
16
        a="Tiger"
17
    elif r==7:
        a="Hare"
18
19 v elif r==8:
20
        a="Dragon"
21 v elif r==9:
        a="Snake"
22
23 v elif r==10:
24
        a="Horse"
25 v elif r==11:
        a="Sheep"
26
27
   print(f"{y} is the year of the {a}.")
```

	Input	Expected	Got	
~	2010	2010 is the year of the Tiger.	2010 is the year of the Tiger.	~
~	2020	2020 is the year of the Rat.	2020 is the year of the Rat.	~

Passed all tests! ✓

Correct

```
Question 9
Correct
Mark 1.00 out of 1.00
```

In this exercise you will create a program that reads a letter of the alphabet from the user. If the user enters a, e, i, o or u then your program should display a message indicating that the entered letter is a vowel. If the user enters y then your program should display a message indicating that sometimes y is a vowel, and sometimes y is a consonant. Otherwise your program should display a message indicating that the letter is a consonant.

Sample Input 1

i

Sample Output 1

It's a vowel.

Sample Input 2

у

Sample Output 2

Sometimes it's a vowel... Sometimes it's a consonant.

Sample Input3

C

Sample Output 3

It's a consonant.

For example:

Input	Result
у	Sometimes it's a vowel Sometimes it's a consonant.
С	It's a consonant.

	Input	Expected	Got	
~	i	It's a vowel.	It's a vowel.	~
~	у	Sometimes it's a vowel Sometimes it's a consonant.	Sometimes it's a vowel Sometimes it's a consonant.	~
~	С	It's a consonant.	It's a consonant.	~

	Input	Expected	Got	
~	е	It's a vowel.	It's a vowel.	~
~	r	It's a consonant.	It's a consonant.	~

Passed all tests! ✓

Correct

Question 10
Correct

Mark 1.00 out of 1.00

Most years have 365 days. However, the time required for the Earth to orbit the Sun is actually slightly more than that. As a result, an extra day, February 29, is included in some years to correct for this difference. Such years are referred to as leap years. The rules for determining whether or not a year is a leap year follow:

- Any year that is divisible by 400 is a leap year.
- Of the remaining years, any year that is divisible by 100 is not a leap year.
- Of the remaining years, any year that is divisible by 4 is a leap year.
- All other years are not leap years.

Write a program that reads a year from the user and displays a message indicating whether or not it is a leap year.

Sample Input 1

1900

Sample Output 1

1900 is not a leap year.

Sample Input 2

2000

Sample Output 2

2000 is a leap year.

Answer: (penalty regime: 0 %)

```
1
1
2 **
if y%400==0:
    print(f"{y} is a leap year.")
4 **
elif y%100==0:
    print(f"{y} is not a leap year.")
elif y%4==0:
    print(f"{y} is a leap year.")

8 **
else:
    print(f"{y} is not a leap year.")
```

	Input	Expected	Got	
~	1900	1900 is not a leap year.	1900 is not a leap year.	~
~	2000	2000 is a leap year.	2000 is a leap year.	~
~	2100	2100 is not a leap year.	2100 is not a leap year.	~
~	2020	2020 is a leap year.	2020 is a leap year.	~

Passed all tests! ✓

Correct

■ Week3_mcq

Jump to...

Iteration control structures ►

<u>Dashboard</u> / <u>My courses</u> / <u>PSPP/PUP</u> / <u>Algorithmic Approach: Iteration control structures.</u> / <u>Week4 Coding.</u>

Started on	Wednesday, 17 April 2024, 9:36 PM
State	Finished
Completed on	Wednesday, 17 April 2024, 10:15 PM
Time taken	39 mins 2 secs
Marks	10.00/10.00
Grade	100 00 out of 100 00

```
Question 1
Correct
Mark 1.00 out of 1.00
```

Write a program to find the count of non-repeated digits in a given number N. The number will be passed to the program as an input of type int.

Assumption: The input number will be a positive integer number >= 1 and <= 25000.

Some examples are as below.

If the given number is 292, the program should return 1 because there is only 1 non-repeated digit '9' in this number

If the given number is 1015, the program should return 2 because there are 2 non-repeated digits in this number, '0', and '5'.

If the given number is 108, the program should return 3 because there are 3 non-repeated digits in this number, '1', '0', and '8'.

If the given number is 22, the function should return 0 because there are NO non-repeated digits in this number.

For example:

Input	Result
292	1
1015	2
108	3
22	0

Answer: (penalty regime: 0 %)

```
n=int(input())
 2
    nr=0
 3
    d=[0]*10
4
    t=n
 5
   while t>0:
         di=t%10
 6
 7
         d[di]+=1
         t//=<mark>10</mark>
 8
9
    t=n
10 v while t>0:
11
         di=t%10
         if d[di]==1:
12 •
13
             d[di]=-1
14
             nr+=1
         t//=10
15
    print(nr)
16
17
```

	Input	Expected	Got	
~	292	1	1	~
~	1015	2	2	~
~	108	3	3	~
~	22	0	0	~

Passed all tests! ✓

Correct

```
Question 2
Correct
Mark 1.00 out of 1.00
```

Write a program to find the sum of the series $1 + 11 + 111 + 111 + \dots + n$ terms (n will be given as input from the user and sum will be the output)

Sample Test Cases

Test Case 1

Input

4

Output

1234

Test Case 2

Input

6

Output

123456

Answer: (penalty regime: 0 %)

	Input	Expected	Got	
~	4	1234	1234	~
~	6	123456	123456	~

Passed all tests! <

Correct

Question **3**Correct
Mark 1.00 out of 1.00

In mathematics, the factorial of a non-negative integer n, denoted by n!, is the product of all positive integers less than or equal to n. For example,

```
5! = 5 \times 4 \times 3 \times 2 \times 1 = 120
```

$$4! = 4 \times 3 \times 2 \times 1 = 24$$

$$9! = 9 \times 8 \times 7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1 = 362880$$

Write a program to find the factorial of a given number.

The given number will be passed to the program as an input of type int.

The program is expected to calculate the factorial of the given number and return it as an int type.

Assumptions for this program:

The given input number will always be greater than or equal to 1.

Due to the range supported by int. the input numbers will range from 1 to 12.

For example:

Input	Result
5	120
4	24
9	362880

Answer: (penalty regime: 0 %)

```
        Input
        Expected
        Got

        ✓
        5
        120
        120
        ✓

        ✓
        4
        24
        24
        ✓

        ✓
        9
        362880
        362880
        ✓
```

Passed all tests! ✓

Correct

```
Question 4
Correct
Mark 1.00 out of 1.00
```

Given a positive integer N, check whether it can be represented as a product of single digit numbers.

Input Format:

Single Integer input.

Output Format:

Output displays Yes if condition satisfies else prints No.

Example Input:

14

Output:

Yes

Example Input:

13

Output:

No

Answer: (penalty regime: 0 %)

```
N=int(input())
2 n=N
3 v if n<10:
4
         print("Yes")
 5 v else:
         while n%2==0:
 6 ▼
7
             n//=2
         while n%3==0:
8 •
9
             n//=3
10 •
         while n%5==0:
11
             n//=5
12 🔻
         while n%7==0:
13
             n//=<mark>7</mark>
14 🔻
         if n==1:
15
             print("Yes")
         else:
16 🔻
             print("No")
17
```

	Input	Expected	Got	
~	14	Yes	Yes	~
~	13	No	No	~

Passed all tests! <

Correct

Question **5**Correct
Mark 1.00 out of 1.00

Given an integer N, check whether N the given number can be made a perfect square after adding to it.

Input Format:

Single integer input.

Output Format:

Yes or No.

Example Input:

24

Output:

Yes

Example Input:

26

Output:

No

For example:

Input	Result
24	Yes

Answer: (penalty regime: 0 %)

```
n=int(input())
1
2
   n+=1
3
   sr=0
   while sr*sr<n:</pre>
4
5
       sr+=1
6 v if sr*sr==n:
7
       print("Yes")
8 🔻
   else:
       print("No")
```

	Input	Expected	Got	
~	24	Yes	Yes	~
~	26	No	No	~

Passed all tests! ✓

Correct

```
Question 6
Correct
Mark 1.00 out of 1.00
```

Write a program to find the count of unique digits in a given number N. The number will be passed to the program as an input of type int. Assumption: The input number will be a positive integer number >= 1 and <= 25000.

For e.g.

If the given number is 292, the program should return 2 because there are only 2 unique digits '2' and '9' in this number If the given number is 1015, the program should return 3 because there are 3 unique digits in this number, '1', '0', and '5'.

For example:

Input	Result
292	2
1015	3

Answer: (penalty regime: 0 %)

```
n=int(input())
 2
    u=<mark>0</mark>
3 v for d in range(10):
 4
         h=False
5
         t=n
 6
         while t>0:
7
             if t%10==d:
 8
                  h=True
9
                  break
10
             t//=10
         if h:
11 •
12
             u+=1
   print(u)
13
```

	Input	Expected	Got	
~	292	2	2	~
~	1015	3	3	~
~	123	3	3	~

Passed all tests! <

Correct

Question **7**Correct
Mark 1.00 out of 1.00

Given a number N, find the next perfect square greater than N.

Input Format:

Integer input from stdin.

Output Format:

Perfect square greater than N.

Example Input:

10

Output:

16

Answer: (penalty regime: 0 %)

	Input	Expected	Got	
✓	10	16	16	~

Passed all tests! ✓

Correct

```
Question 8
Correct
Mark 1.00 out of 1.00
```

Write a program to return the nth number in the fibonacci series.

The value of N will be passed to the program as input.

NOTE: Fibonacci series looks like -

0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, . . . and so on.

i.e. Fibonacci series starts with 0 and 1, and continues generating the next number as the sum of the previous two numbers.

- first Fibonacci number is 0,
- second Fibonacci number is 1,
- third Fibonacci number is 1,
- fourth Fibonacci number is 2,
- fifth Fibonacci number is 3,
- sixth Fibonacci number is 5,
- seventh Fibonacci number is 8, and so on.

For example:

Input	Result
1	0
4	2
7	8

Answer: (penalty regime: 0 %)

```
n=int(input())
   a,b=0,1
3 v if n==1:
4
        nth=a
 5 v elif n==2:
 6
        nth=b
7 v else:
        for i in range(2,n):
8
 9
            nth=a+b
            a,b=b,nth
10
11 print(nth)
```

	Input	Expected	Got	
~	1	0	0	~
~	4	2	2	~
~	7	8	8	~

Passed all tests! <

Correct

```
Question 9
Correct
Mark 1.00 out of 1.00
```

A Number is said to be Disarium number when the sum of its digit raised to the power of their respective positions becomes equal to the number itself. Write a program to print number is Disarium or not.

Input Format:

Single Integer Input from stdin.

Output Format:

Yes or No.

Example Input:

175

Output:

Yes

Explanation

 $1^1 + 7^2 + 5^3 = 175$

Example Input:

123

Output:

No

For example:

Input	Result
175	Yes
123	No

Answer: (penalty regime: 0 %)

```
n=int(input())
 2
   N=n
 3
    nd=0
    while N>0:
 4
        N//=10
 5
 6
        nd+=1
 7
    s=0
 8
   N=n
9 v while N>0:
10
        d=N%10
11
        s+=d**nd
        nd-=1
12
        N//=10
13
14 v if s==n:
        print("Yes")
15
16 ▼ else:
        print("No")
17
```

	Input	Expected	Got	
~	175	Yes	Yes	~
~	123	No	No	~

Passed all tests! <



Marks for this submission: 1.00/1.00.

```
Question 10
Correct
Mark 1.00 out of 1.00
```

Write a program that finds whether the given number N is Prime or not.

If the number is prime, the program should return 2 else it must return 1.

Assumption: $2 \le N \le 5000$, where N is the given number.

Example1: if the given number N is 7, the method must return 2

Example2: if the given number N is 10, the method must return 1

For example:

Input	Result
7	2
10	1

Answer: (penalty regime: 0 %)

```
1   | n=int(input())
2   | isp=True
3   | if n%2==0 and n>2:
4   | isp=False
6   | for i in range(3,int(n**0.5)+1,2):
7   | if n%i==0:
8   | isp=False
9   | break
9   | print(2 if isp else 1)
```

	Input	Expected	Got	
~	7	2	2	~
~	10	1	1	~

Passed all tests! 🗸

Correct

Marks for this submission: 1.00/1.00.

■ Week4_mcq

Jump to...

Strings -

<u>Dashboard</u> / <u>My courses</u> / <u>PSPP/PUP</u> / <u>Experiments based on Strings and its operations.</u> / <u>Week5 MCQ</u>

	Saturday, 4 May 2024, 9:46 PM
	Finished
	Saturday, 4 May 2024, 9:59 PM
	13 mins 12 secs
Grade	13.00 out of 15.00 (86.67 %)
Question 1	
Correct	
Mark 1.00 out of 1.00	
What will followin	g Python code return?
str1="Stack of books"	
print(len(str1))	
a. 13	
o b. 15	
© c. 14 ✓ ler	n() returns the length of the given string str1, including spaces and considering " " as a single character.
O d. 16	
Your answer is corre	ect.
The correct answer	is:
14	
Question 2	
Correct	
Mark 1.00 out of 1.00	
Mhat is the autout	of the following code?
str1="vijay"	of the following code?
for i in str1:	
print(i, end="")	
print(i, end =)	
a. None of th	e above
o b. 01234	
d. No output	
Your answer is corre	ect.

 $w\ w\ w\ . rajalaks\ hmicolleges\ . org/moodle/mod/quiz/review\ . php? attempt = 10865\&cmid = 99$

The correct answer is:

vijay

Question 3
Correct
Mark 1.00 out of 1.00
What is the output of the following code.
Line1 = "And Then There Were None"
Line2 = "Famous In Love"
Line3 = "Famous Were The Kol And Klaus" Line4 = Line1 + Line2 + Line3
print("And" in Line4)
○ a. False
○ b. False 2
© c. True ✓ The "in" operator returns True if the <u>strings</u> contains the substring (ie, And), else returns False.
Od. True 2
Your answer is correct.
The correct answer is:
True
Question 4
Correct
Mark 1.00 out of 1.00
Python considered the character enclosed in triple quotes as String.
Select one:
True ✓
○ False
The correct answer is 'True'.
THE COHECT BISWELLS TIME.

Question 5 ncorrect Mark 0.00 out of 1.00	
What is the output of the following code?	
print('*', "abcde".center(7), '*', sep=")	
O a. *abcde *	
○ b. *abcde*	
⊚ c. *abcde* ×	
○ d. *abcde *	
Your answer is incorrect.	
The correct answer is: * abcde *	
Question 6	
Correct	
Mark 1.00 out of 1.00	
What is the output of the following code ?	
str = "Welcome"	\neg
<pre>str[2] = 'a' print(str)</pre>	
○ a. aWelcome	
○ c. Welcomea	
O d. Weacome	
Your answer is correct.	
The correct answer is:	
Error	

Question 7	
Correct	
Mark 1.00 out of 1.00	
What arithmetic <u>operators</u> cannot be used with <u>strings</u> in Python?	
⊕ a ✓	
O b. *	
○ c. +	
d. All of the mentioned	
a. All of the mentioned	
Your answer is correct.	
The correct answer is:	
-	
Question 8	
Correct Mark 1.00 out of 1.00	
Mark 1.00 Out of 1.00	
What is the output of the following code?	
<pre>print('Ab!2'.swapcase())</pre>	
○ a. AB!@	
○ b. aB1@	
○ c. ab12	
⊕ d. aB!2 ✓	
Your answer is correct.	
The correct answer is: aB!2	
dD:2	
Question 9	
Correct	
Mark 1.00 out of 1.00	
What will be the output of below Python code?	
stri="Application"	1
str2=str1.replace('a','A') print(str2)	
Answer: ApplicAtion	

replace() function in string is used here to replace all the existing "a" by "A" in the given string.

The correct answer is: ApplicAtion

Question 10
Correct
Mark 1.00 out of 1.00
What is the output of "Vijay"+1+2+3?
That is the dalpater Thay The Los.
○ a. Vijay
○ b. Vijay6
⊚ c. Error ✓ Cannot concantenate str and int objects.
Od. Vijay123
Your answer is correct.
The correct answer is:
Error
Question 11
Question I I Correct
Mark 1.00 out of 1.00
Walk 1.00 Out of 1.00
What is the output of the following Code?
print(chr(69))
Answer: E
The correct answer is: E
Question 12
Correct
Mark 1.00 out of 1.00
Which of the following will result in an error?
str1="python"
○ a. print(str1[0:9])
○ b. None of the mentioned
⊚ c. str1[1]="x" ✓ Strings are immutable. So,new values cannot be assigned at any index position in a string
⊕ c. Stri[1] = x → Strings are minutable. So,new values cannot be assigned at any index position in a string
○ d. print(str1[2])
Your answer is correct.
The correct answer is:
str1[1]="x"

Question 13	
Correct	
Mark 1.00 out of 1.00	
What is the output of the following code?	
<pre>my_string = 'vijay'</pre>	
for i in range(len(my_string)):	
<pre>print (my_string)</pre>	
<pre>my_string = 'a'</pre>	
 a. vijay a a a a String is modified only after 'vijay' has been printed once. 	
a. Thay a a a a second stand of the second standard of the second st	
○ b. vaaaaaaaaaaa	
○ c. Error	
○ d. None	
u. None	
Your answer is correct.	
The correct answer is:	
vijay a a a a	
Question 14	
ncorrect	
Mark 0.00 out of 1.00	
What is the output of the following code?	
<pre>print("rec. VIJAY".capitalize())</pre>	
■ a. REC. VIJAY ×	
○ b. rec. vijay	
○ c. Rec. vijay	
○ d. Rec. Vijay	
Your answer is incorrect.	
The correct answer is:	
Rec. vijay	

Question 15	
Correct	
Mark 1.00 out of 1.00	
my_string = "arvjayakumar"	
i = "i"	
while i in my_string:	
print(i, end =" ")	
○ a. ¡¡¡¡¡	
○ b. arviavakumar	
u i v j u y u k u iii u i	
© c. None ✓ 'i' is not present in string 'arvjayakumar'	
○ d. arvjayakumar	
Your answer is correct.	
The correct answer is:	
None	
→ Strings	
Jump to	

Week5_Coding ►

<u>Dashboard</u> / <u>My courses</u> / <u>PSPP/PUP</u> / <u>Experiments based on Strings and its operations.</u> / <u>Week5 Coding</u>

Started on	Saturday, 4 May 2024, 10:00 PM
State	Finished
Completed on	Saturday, 4 May 2024, 10:45 PM
Time taken	45 mins 5 secs
Marks	10.00/10.00
Grade	100.00 out of 100.00

Question **1**Correct
Mark 1.00 out of 1.00

Given a string S which is of the format USERNAME@DOMAIN.EXTENSION, the program must print the EXTENSION, DOMAIN, USERNAME in the reverse order.

Input Format:

The first line contains S.

Output Format:

The first line contains EXTENSION. The second line contains DOMAIN. The third line contains USERNAME.

Boundary Condition:

1 <= Length of S <= 100

Example Input/Output 1:

Input:

abcd@gmail.com

Output:

com

gmail

abcd

For example:

Input	Result
arvijayakumar@rajalakshmi.edu.in	edu.in rajalakshmi arvijayakumar

Answer: (penalty regime: 0 %)

	Input	Expected	Got	
~	abcd@gmail.com	com gmail abcd	com gmail abcd	~
~	arvijayakumar@rajalakshmi.edu.in	edu.in rajalakshmi arvijayakumar	edu.in rajalakshmi arvijayakumar	~

Passed all tests! 🗸

Correct

Question 2
Correct
Mark 1.00 out of 1.00

Given two Strings s1 and s2, remove all the characters from s1 which is present in s2.

Constraints

1<= string length <= 200

Sample Input 1

experience enc

Sample Output 1

xpri

Answer: (penalty regime: 0 %)

	Input	Expected	Got	
~	experience enc	xpri	xpri	~

Passed all tests! ✓

Correct

```
Question 3
Correct
Mark 1.00 out of 1.00
```

String should contain only the words are not palindrome.

Sample Input 1

Malayalam is my mother tongue

Sample Output 1

is my mother tongue

Answer: (penalty regime: 0 %)

```
t=input().lower()
w=t.split()
np=[]
for W in W:
    if W!=W[::-1]:
         np.append(W)
print(" ".join(np))
```

	Input	Expected	Got	
~	Malayalam is my mother tongue	is my mother tongue	is my mother tongue	~

Passed all tests! ✓

Correct

Question 4

Correct

Mark 1.00 out of 1.00

In this exercise, you will create a program that reads words from the user until the user enters a blank line. After the user enters a blank line your program should display each word entered by the user exactly once. The words should be displayed in the same order that they were first entered. For example, if the user enters:

first

second

first

third

second

then your program should display:

first

second

third

Answer: (penalty regime: 0 %)

```
1
   b='
2
        while True:
3
4
            a=input()
5
            if a not in b:
                print(a)
6
7
                b+=a
8
   except:
       pass
```

	Input	Expected	Got	
~	first	first	first	~
	second	second	second	
	first	third	third	
	third			
second				
✓ rec		rec	rec	~
cse		cse	cse	
	it	it	it	
	rec			
	cse			

Passed all tests! ✓

Correct

Question 5
Correct
Mark 1.00 out of 1.00

Write a program that takes as input a string (sentence), and returns its second word in uppercase.

For example:

If input is "Wipro Technologies Bangalore" the function should return "TECHNOLOGIES"

If input is "Hello World" the function should return "WORLD"

If input is "Hello" the program should return "LESS"

NOTE 1: If input is a sentence with less than 2 words, the program should return the word "LESS".

NOTE 2: The result should have no leading or trailing spaces.

For example:

Input	Result
Wipro Technologies Bangalore	TECHNOLOGIES
Hello World	WORLD
Hello	LESS

Answer: (penalty regime: 0 %)

	Input	Expected	Got	
~	Wipro Technologies Bangalore	TECHNOLOGIES	TECHNOLOGIES	~
~	Hello World	WORLD	WORLD	~
~	Hello	LESS	LESS	~

Passed all tests! ✓

Correct

Question **6**Correct
Mark 1.00 out of 1.00

Reverse a string without affecting special characters

Given a string **S**, containing special characters and all the alphabets, reverse the string without affecting the positions of the special characters.

Input:

A&B

Output:

В&А

Explanation: As we ignore '&' and

As we ignore '&' and then reverse, so answer is "B&A".

For example:

Input	Result
A&x#	x&A#

Answer: (penalty regime: 0 %)

```
1   | s=input()
2   | l=[c for c in s if c.isalpha()]
3   | l.reverse()
4   | it=iter(1)
5   | r=''.join(next(it) if c.isalpha() else c for c in s)
6   | print(r)
```

	Input	Expected	Got	
~	A&B	B&A	B&A	~

Passed all tests! <

Correct

```
Question 7
Correct
Mark 1.00 out of 1.00
```

Two string values S1, S2 are passed as the input. The program must print first N characters present in S1 which are also present in S2.

Input Format:

The first line contains S1.

The second line contains S2.

The third line contains N.

Output Format:

The first line contains the N characters present in S1 which are also present in S2.

Boundary Conditions:

```
2 <= N <= 10
2 <= Length of S1, S2 <= 1000
```

Example Input/Output 1:

Input:

abcbde

cdefghbb

3

Output:

bcd

Note:

b occurs twice in common but must be printed only once.

Answer: (penalty regime: 0 %)

```
1
    s1=input()
 2
    s2=input()
   n=int(input())
3
4
    uc='
    fc=''
5
 6 v for char in s1:
7
        if char in s2 and char not in fc:
8
            uc+=char
9
            fc+=char
10
            if len(uc)==n:
                break
11
12 print(uc)
```

	Input	Expected	Got	
~	abcbde cdefghbb	bcd	bcd	~

Passed all tests! ✓

Correct

```
Question 8
Correct
Mark 1.00 out of 1.00
```

Write a python program to count all letters, digits, and special symbols respectively from a given string

For example:

Input	Result
rec@123	3
	3
	1

Answer: (penalty regime: 0 %)

```
i=input()
 1
     c1=0
 2
    cd=<mark>0</mark>
 3
 4
    cs=<mark>0</mark>
 5 v for char in i:
 6 ▼
          if char.isdigit():
 7
              cd+=1
          elif char.isalpha():
 8 🔻
 9
              cl+=1
10 •
          else:
11
              cs+=1
12
    print(cl)
    print(cd)
print(cs)
13
14
```

	Input	Expected	Got	
~	rec@123	3	3	~
		3	3	
		1	1	
~	P@#yn26at^&i5ve	8	8	~
		3	3	
		4	4	
~	abc@12&	3	3	~
		2	2	
		2	2	

Passed all tests! 🗸

Correct

```
Question 9
Correct
Mark 1.00 out of 1.00
```

Assume that the given string has enough memory.

Don't use any extra space(IN-PLACE)

Sample Input 1

a2b4c6

Sample Output 1

aabbbbcccccc

Answer: (penalty regime: 0 %)

```
1
    ip=input()
    op=''
 2
 3
   i=0
 4 v while i<len(ip):
 5
        char=ip[i]
        i+=1
 6
 7
        n=0
        while i<len(ip) and ip[i].isdigit():</pre>
 8 •
 9
            n=n*10+int(ip[i])
10
            i+=1
11
        op+=char*n
12 print(op)
```

	Input	Expected	Got	
~	a2b4c6	aabbbbccccc	aabbbbccccc	~
~	a12b3d4	aaaaaaaaaaabbbdddd	aaaaaaaaaaabbbdddd	~

Passed all tests! ✓

```
Question 10
Correct
Mark 1.00 out of 1.00
```

Write a program to check if two <u>strings</u> are balanced. For example, <u>strings</u> s1 and s2 are balanced if all the characters in the s1 are present in s2. The character's position doesn't matter. If balanced display as "true", otherwise "false".

For example:

Input	Result
Yn	True
PYnative	

Answer: (penalty regime: 0 %)

```
1 | sl=input() | s2=input() | ib=True | for c in s1: | if c not in s2: | ib=False | break | print("True" if ib else "False")
```

	Input	Expected	Got	
~	Yn PYnative	True	True	~
~	Ynf PYnative	False	False	~

Passed all tests! 🗸

Correct

Marks for this submission: 1.00/1.00.

■ Week5_MCQ

Jump to...

List ►

<u>Dashboard</u> / <u>My courses</u> / <u>PSPP/PUP</u> / <u>Experiments based on Lists and its operations.</u> / <u>Week6 Coding</u>

Started on	Thursday, 30 May 2024, 11:37 AM
State	Finished
Completed on	Saturday, 1 June 2024, 11:37 AM
Time taken	2 days
Marks	3.00/10.00
Grade	30.00 out of 100.00

```
Question 1
Correct
Mark 1.00 out of 1.00
```

Output is a merged array without duplicates.

Input Format

N1 - no of elements in array 1

Array elements for array 1

N2 - no of elements in array 2

Array elements for array2

Output Format

Display the merged array

Sample Input 1

512

3

9

2

4

5 10

Sample Output 1

1 2 3 4 5 6 9 10

Answer: (penalty regime: 0 %)

```
n1=int(input())
   array1= []
 3 v for _ in range(n1):
4
        element = int(input())
5
        array1.append(element)
   n2=int(input())
6
7
   array2= []
8 * for _ in range(n2):
9
         element = int(input())
10
         array2.append(element)
11
   merged_array= list(set(array1 + array2))
   merged_array.sort()
print(" " .join(map(str, merged_array)))
12
```

	Input	Expected	Got	
~	5	1 2 3 4 5 6 9 10	1 2 3 4 5 6 9 10	~
	1			
	2			
	3			
	6			
	9			
	4			
	2			
	4			
	5			
	10			
~	7	1 3 4 5 7 8 10 11 12 13 22 30 35	1 3 4 5 7 8 10 11 12 13 22 30 35	~
	4			
	7			
	8			
	10			
	12			
	30			
	35			
	9			
	1			
	3			
	4			
	5			
	7			
	8			
	11			
	13			
	22			

Passed all tests! ✓

Correct

Question **2**Correct
Mark 1.00 out of 1.00

Given an array of numbers, find the index of the smallest array element (the pivot), for which the sums of all elements to the left and to the right are equal. The array may not be reordered.

Example

arr=[1,2,3,4,6]

- the sum of the first three elements, 1+2+3=6. The value of the last element is 6.
- · Using zero based indexing, arr[3]=4 is the pivot between the two subarrays.
- · The index of the pivot is 3.

Constraints

- $\cdot \qquad 3 \le n \le 10^5$
- · $1 \le arr[i] \le 2 \times 10^4$, where $0 \le i < n$
- It is guaranteed that a solution always exists.

The first line contains an integer n, the size of the array arr.

Each of the next n lines contains an integer, arr[i], where $0 \le i < n$.

Sample Case 0

Sample Input 0

4

1

2

3

Sample Output 0

2

Explanation 0

- \cdot The sum of the first two elements, 1+2=3. The value of the last element is 3.
- · Using zero based indexing, arr[2]=3 is the pivot between the two subarrays.
- · The index of the pivot is 2.

Sample Case 1

Sample Input 1

3

1

2

1

Sample Output 1

1

Explanation 1

- The first and last elements are equal to 1.
- · Using zero based indexing, arr[1]=2 is the pivot between the two subarrays.
- The index of the pivot is 1.

For example:

-	
Input	Result
4	2
1	
2	
3	
3	
3	1
1	
2	
1	

Answer: (penalty regime: 0 %)

```
n= int(input())
2 arr = []
3 v for _ in range(n):
        arr.append(int(input()))
 5
   total_sum = sum(arr)
    left_sum = 0
 6
   pivot_index = -1
7
 8 * for i in range(n):
9
        right_sum = total_sum - left_sum - arr[i]
        if left_sum == right_sum:
10
            pivot_index=i
11
12
            break
13
        left_sum += arr[i]
print(pivot_index)
```

	Input	Expected	Got	
~	4	2	2	~
	1			
	2			
	3			
	3			
~	3	1	1	~
	1			
	2			
	1			

Passed all tests! ✓

Correct

```
Question 3

Correct

Mark 1.00 out of 1.00
```

Write a Python program to check if a given <u>list</u> is strictly increasing or not. Moreover, If removing only one element from the <u>list</u> results in a strictly increasing <u>list</u>, we still consider the <u>list</u> true

Input:

n: Number of elements

List1: List of values

Output

Input

Print "True" if <u>list</u> is strictly increasing or decreasing else print "False"

Sample Test Case

True

Answer: (penalty regime: 0 %)

```
1 v def is_increasing(lst):
        return all(lst[i] < lst[i + 1] for i in range(len(lst) - 1))</pre>
 3 v def is_decreasing(lst):
        return all(lst[i] > lst[i + 1] for i in range(len(lst) - 1))
 5 def check_strictly_increasing_or_decreasing(lst):
 6 ▼
        if is_increasing(lst) or is_decreasing(lst):
 7
            return True
 8 •
        for i in range(len(lst)):
            temp_lst = lst[:i] + lst[i+1:]
9
10 •
            if is_increasing(temp_lst) or is_decreasing(temp_lst):
11
                return True
   n = int(input())
12
13
   lst = []
14 v for _ in range(n):
        lst.append(int(input()))
15
16 v if check_strictly_increasing_or_decreasing(lst):
        print("True")
17
18 🔻
    else:
        print("False")
19
20
21
22
```

	Input	Expected	Got	
~	7	True	True	~
	1			
	2			
	3			
	0			
	4			
	5			
	6			

	Input	Expected	Got	
~	4	True	True	~
	2			
	1			
	0			
	-1			

Passed all tests! 🗸



Question 4
Incorrect
Mark 0.00 out of 1.00

Consider a program to insert an element / item in the sorted array. Complete the logic by filling up required code in editable section. Consider an array of size 10. The eleventh item is the data is to be inserted.

Sample Test Cases

Test Case 1

Input

·

Output

ITEM to be inserted:2

After insertion array is:

Test Case 2

Input

Output

ITEM to be inserted:44

After insertion array is:

Answer: (penalty regime: 0 %)

```
sorted_array = []
for _ in range(10):
    sorted_array.append(int(input()))

item_to_insert = int(input())
print(f"ITEM to be inserted:{item_to_insert}")
position = 0

while position < len(sorted_array) and sorted_array[position] < item_to_insert:
    position += 1
sorted_array.insert(position, item_to_insert)
print("After insertion array is :")
for element in sorted_array:
    print(element)</pre>
```

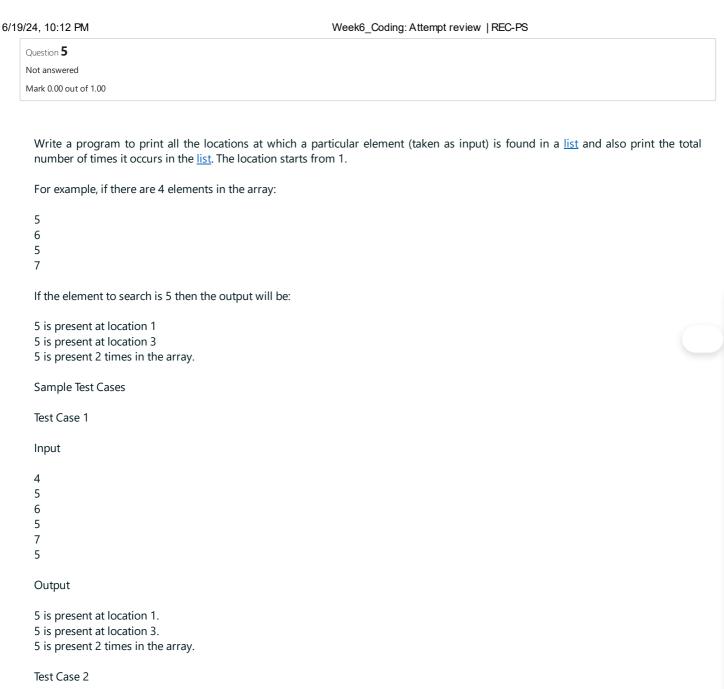
	Input	Expected	Got	
×	1	ITEM to be inserted:2	ITEM to be inserted:2	×
	3	After insertion array is:	After insertion array is :	
	4	1	1	
	5	2	2	
	6	3	3	
	7	4	4	
	8	5	5	
	9	6	6	
	10	7	7	
	11	8	8	
	2	9	9	
		10	10	
		11	11	
×	11	ITEM to be inserted:44	ITEM to be inserted:44	×
	22	After insertion array is:	After insertion array is :	
	33	11	11	
	55	22	22	
	66	33	33	
	77	44	44	
	88	55	55	
	99	66	66	
	110	77	77	
	120	88	88	
	44	99	99	
		110	110	
		120	120	

Some hidden test cases failed, too.

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

Show differences

Incorrect



Input

5

67

80 45

97

100

50

Output

50 is not present in the array.

Answer: (penalty regime: 0 %)

1

/19/2	I, 10:12 PM	Week6_Coding: Attempt review REC-PS	ı

Question **6**Not answered

Mark 0.00 out of 1.00

Determine the factors of a number (i.e., all positive integer values that evenly divide into a number) and then return the p^{th} element of the list, sorted ascending. If there is no p^{th} element, return 0.

Example

n = 20

p = 3

The factors of 20 in ascending order are $\{1, 2, 4, 5, 10, 20\}$. Using 1-based indexing, if p = 3, then 4 is returned. If p > 6, 0 would be returned.

Constraints

 $1 \le n \le 10^{15}$

 $1 \le p \le 10^9$

The first line contains an integer n, the number to factor.

The second line contains an integer p, the 1-based index of the factor to return.

Sample Case 0

Sample Input 0

10

3

Sample Output 0

5

Explanation 0

Factoring n = 10 results in $\{1, 2, 5, 10\}$. Return the $p = 3^{rd}$ factor, 5, as the answer.

Sample Case 1

Sample Input 1

10

5

Sample Output 1

0

Explanation 1

Factoring n = 10 results in $\{1, 2, 5, 10\}$. There are only 4 factors and p = 5, therefore 0 is returned as the answer.

Sample Case 2

Sample Input 2

1

Sample Output 2

1

Explanation 2

Factoring n=1 results in {1}. The p=1st factor of 1 is returned as the answer.

For example:

Input	Result
10	5
10 5	0
1	1

Answer: (penalty regime: 0 %)

1 |

Question 7		
Not answered		
Mark 0.00 out of 1.00		

Given an array A of sorted integers and another non negative integer k, find if there exists 2 indices i and j such that A[i] - A[j] = k, i != j. Input Format

- 1. First line is number of test cases T. Following T lines contain:
- 2. N, followed by N integers of the array
- 3. The non-negative integer k

Output format

Print 1 if such a pair exists and 0 if it doesn't.

Example

Input

1

3

1

3

5

4

Output:

1

Input

1

3

1

5

99

Output

0

For example:

Input	Result
1	1
3	
1	
3	
5	
4	
1	0
3	
1	
3	
5	
99	

Answer: (penalty regime: 0 %)

1

6/19/24	4, 10:12 PM	Week6_Coding: Attempt review REC-PS

Question **8**Not answered

Mark 0.00 out of 1.00

Program to print all the distinct elements in an array. Distinct elements are nothing but the unique (non-duplicate) elements present in the given array.

Input Format:

First line take an Integer input from stdin which is array length n.

Second line take n Integers which is inputs of array.

Output Format:

Print the Distinct Elements in Array in single line which is space Separated

Example Input:

5

1

2

2

3

4

Output:

1234

Example Input:

6

1

2

2

3

3

Output:

123

For example:

Input	Result		
5	1 2 3 4		
1			
2			
2			
3			
4			
		_	
6	1 2 3		
1			
1			
2			
2			
3			
3			

Answer: (penalty regime: 0 %)

1

6/19/24, 10:12 PM	Week6_Coding: Attempt review REC-PS
-	

lot answered
Aark 0.00 out of 1.00
Complete the program to count frequency of each element of an array. Frequency of a particular element will be printed once.
Sample Test Cases
Test Case 1
Input
7
23
45 23
56
45
23
40
Output
23 occurs 3 times
45 occurs 2 times
56 occurs 1 times 40 occurs 1 times
40 occurs i unics
Answer: (penalty regime: 0 %)
1

```
Question 10
Not answered
Mark 0.00 out of 1.00
 Write a Python program to Zip two given lists of lists.
 Input:
 m : row size
 n: column size
 list1 and <u>list</u> 2: Two lists
 Output
 Zipped List: List which combined both list1 and list2
 Sample test case
 Sample input
 2
 2
 1
 3
 5
 7
 2
 4
 6
 8
 Sample Output
 [[1, 3, 2, 4], [5, 7, 6, 8]]
 Answer: (penalty regime: 0 %)
    1
   ■ Week6_MCQ
```

Tuples -

Jump to...

<u>Dashboard</u> / <u>My courses</u> / <u>PSPP/PUP</u> / <u>Experiments based on Tuples, Sets and its operations</u> / <u>Week7 Coding</u>

Started on	Thursday, 30 May 2024, 10:54 AM
State	Finished
Completed on	Thursday, 30 May 2024, 11:35 AM
Time taken	41 mins 50 secs
Marks	5.00/5.00
Grade	100.00 out of 100.00

```
Question 1
Correct
Mark 1.00 out of 1.00
```

Coders here is a simple task for you, Given string str. Your task is to check whether it is a binary string or not by using python set.

Examples:

Input: str = "01010101010"

Output: Yes

Input: str = "REC101"

Output: No

For example:

Input	Result	
01010101010	Yes	
010101 10101	No	

Answer: (penalty regime: 0 %)

```
1
2  # Input from the user
3  input_str = input()
4  # Create a set of characters from the input string
5  unique_chars = set(input_str)
6  # Define a set containing only '0' and '1'
7  binary_chars = {'0', '1'}
8
9  result = "Yes" if unique_chars <= binary_chars else "No"
10
11  print(result)</pre>
```

	Input	Expected	Got	
~	01010101010	Yes	Yes	~
~	REC123	No	No	~
~	010101 10101	No	No	~

Passed all tests! ✓

Correct

```
Question 2
Correct
Mark 1.00 out of 1.00
```

Write a program to eliminate the common elements in the given 2 arrays and print only the non-repeating elements and the total number of such non-repeating elements.

Input Format:

The first line contains space-separated values, denoting the size of the two arrays in integer format respectively.

The next two lines contain the space-separated integer arrays to be compared.

Sample Input:

```
5 4
1 2 8 6 5
2 6 8 10
Sample Output:
1 5 10
3
Sample Input:
5 5
1 2 3 4 5
```

Sample Output:

12345

NO SUCH ELEMENTS

For example:

Input	Result
5 4	1 5 10
1 2 8 6 5	3
2 6 8 10	
5 5	NO SUCH ELEMENTS
1 2 3 4 5	
1 2 3 4 5	

Answer: (penalty regime: 0 %)

```
# Input processing
   n, m = map(int, input().split())
 3
    array1 = list(map(int, input().split()))
    array2 = list(map(int, input().split()))
 4
 5
 6
    # Find unique elements
    unique_elements = set(array1) ^ set(array2)
 7
    non_repeating_elements = [x for x in array1 + array2 if x in unique_elements]
8
9
    non_repeating_elements_count = len(non_repeating_elements)
10
11
   # Print results
12 v if non_repeating_elements_count > 0:
13
        print(" ".join(map(str, non_repeating_elements)))
14
        print(non_repeating_elements_count)
15 v else:
        print("NO SUCH ELEMENTS")
16
17
```

	Input	Expected	Got	
~	5 4 1 2 8 6 5 2 6 8 10	1 5 10 3	1 5 10 3	~
~	3 3 10 10 10 10 11 12	11 12 2	11 12 2	~
~	5 5 1 2 3 4 5 1 2 3 4 5	NO SUCH ELEMENTS	NO SUCH ELEMENTS	~

Passed all tests! 🗸

Correct

```
Question 3
Correct
Mark 1.00 out of 1.00
```

The **DNA sequence** is composed of a series of nucleotides abbreviated as 'A', 'C', 'G', and 'T'.

• For example, "ACGAATTCCG" is a **DNA sequence**.

When studying **DNA**, it is useful to identify repeated sequences within the DNA.

Given a string s that represents a **DNA sequence**, return all the 10-letter-long sequences (substrings) that occur more than once in a DNA molecule. You may return the answer in any order.

Example 1:

```
Input: s = "AAAAACCCCCAAAAACCCCCCAAAAAGGGTTT"
Output: ["AAAAACCCCC", "CCCCCAAAAAA"]
```

Example 2:

```
Input: s = "AAAAAAAAAAA"
Output: ["AAAAAAAAAA"]
```

For example:

Input	Result
AAAAACCCCCAAAAACCCCCCAAAAAGGGTTT	AAAAACCCCC
	CCCCCAAAAA

Answer: (penalty regime: 0 %)

```
# Input from the user
   s = input().strip()
 3
    # Length of the DNA sequence to be checked
    sequence_length = 10
    # Sets to keep track of seen and duplicate sequences
   seen_sequences = set()
7
    duplicate_sequences = set()
 8
    # Iterate through the string with a sliding window of size 10
9 v for i in range(len(s) - sequence_length + 1):
   # Get the current 10-letter sequence
10
11
        current_sequence = s[i:i + sequence_length]
12
    # Check if the current sequence is already seen
        if current_sequence in seen_sequences:
13 •
14
            duplicate_sequences.add(current_sequence)
15 •
        else:
16
            seen_sequences.add(current_sequence)
   # Convert the set of duplicates to a list and print the result
17
   result = list(duplicate_sequences)
19 v for seq in result:
20
        print(seq)
```

	Input	Expected	Got	
~	AAAAACCCCCAAAAACCCCCCAAAAAGGGTTT		AAAAACCCCC CCCCCAAAAA	~
~	АААААААААА	АААААААА	АААААААА	~

Passed all tests! 🗸



```
Question 4
Correct
Mark 1.00 out of 1.00
```

Given a tuple and a positive integer k, the task is to find the count of distinct pairs in the tuple whose sum is equal to K.

Examples:

```
Input: t = (5, 6, 5, 7, 7, 8), K = 13

Output: 2

Explanation:

Pairs with sum K( = 13) are {(5, 8), (6, 7), (6, 7)}.

Therefore, distinct pairs with sum K( = 13) are { (5, 8), (6, 7) }.

Therefore, the required output is 2.
```

For example:

Input	Result
1,2,1,2,5	1
1,2 0	0

Answer: (penalty regime: 0 %)

```
t = tuple(map(int, input().split(',')))
   K = int(input())
 3
   # Dictionary to store the counts of pairs
4
   pair_counts = {}
    # Iterate through the tuple to find pairs
5
 6 ▼ for i in range(len(t)):
7 🔻
        for j in range(i + 1, len(t)):
8
            pair_sum = t[i] + t[j]
   # Check if the pair sum equals K
9
10 •
           if pair_sum == K:
   # Add the pair to the dictionary
11
              pair_counts[(min(t[i], t[j]), max(t[i], t[j]))] = pair_counts.get
12
   # Count the distinct pairs
13
   distinct_pairs_count = len(pair_counts)
14
15
   # Print the result
16  print(distinct_pairs_count)
```

	Input	Expected	Got	
~	5,6,5,7,7,8 13	2	2	~
~	1,2,1,2,5	1	1	~
~	1,2	0	0	~

Passed all tests! <

Correct

```
Question 5
Correct
Mark 1.00 out of 1.00
```

There is a malfunctioning keyboard where some letter keys do not work. All other keys on the keyboard work properly.

Given a string text of words separated by a single space (no leading or trailing spaces) and a string brokenLetters of all distinct letter keys that are broken, return the number of words in text you can fully type using this keyboard.

Example 1:

Input: text = "hello world", brokenLetters = "ad"

Output:

1

Explanation: We cannot type "world" because the 'd' key is broken.

For example:

Input	Result
hello world ad	1
Faculty Upskilling in Python Programming ak	2

Answer: (penalty regime: 0 %)

```
text = input()
brokenLetters = input()
words = text.split()
broken_set = set(brokenLetters)
count = 0
for word in words:
    if all(char.lower() not in
broken_set for char in word):
    count += 1
print(count)
```

	Input	Expected	Got	
~	hello world ad	1	1	~
~	Welcome to REC e	1	1	~
~	Faculty Upskilling in Python Programming ak	2	2	~

Passed all tests! <

Correct

■ Week7_MCQ

Jump to...

Dictionary ►

<u>Dashboard</u> / <u>My courses</u> / <u>PSPP/PUP</u> / <u>Functions: Built-in functions, User-defined functions, Recursive functions</u> / <u>Week9 Coding</u>

Started on	Thursday, 30 May 2024, 12:25 PM
State	Finished
Completed on	Thursday, 30 May 2024, 12:30 PM
Time taken	5 mins 11 secs
Marks	5.00/5.00
Grade	100.00 out of 100.00

```
Question 1
Correct
Mark 1.00 out of 1.00
```

complete function to implement coin change making problem i.e. finding the minimum

number of coins of certain denominations that add up to given amount of money.

The only available coins are of values 1, 2, 3, 4

Input Format:

Integer input from stdin.

Output Format:

return the minimum number of coins required to meet the given target.

Example Input:

16

Output:

4

Explanation:

We need only 4 coins of value 4 each

Example Input:

25

Output:

7

Explanation:

We need 6 coins of 4 value, and 1 coin of 1 value

Answer: (penalty regime: 0 %)

```
Reset answer
```

```
1 ▼ def coinChange(n):
2
        c = 0
3
        c += n//4
4
        n %= 4
5
        c += n//3
        n %= 3
 6
        c += n//2
8
        n %= 2
9
        c += n//1
10
        return c
11
12
13
```

	Test	Expected	Got	
~	<pre>print(coinChange(16))</pre>	4	4	~

Passed all tests! ✓

Correct

Question 2
Correct
Mark 1.00 out of 1.00

A number is considered to be ugly if its only prime factors are 2, 3 or 5.

[1, 2, 3, 4, 5, 6, 8, 9, 10, 12, 15, ...] is the sequence of ugly numbers.

Task:

complete the function which takes a number n as input and checks if it's an ugly number.

return ugly if it is ugly, else return not ugly

Hint:

An ugly number U can be expressed as: $U = 2^a * 3^b * 5^c$, where a, b and c are nonnegative integers.

For example:

Test	Result
<pre>print(checkUgly(6))</pre>	ugly
print(checkUgly(21))	not ugly

Answer: (penalty regime: 0 %)

```
Reset answer
```

	Test	Expected	Got		
~	print(checkUgly(6))	ugly	ugly	~	
~	print(checkUgly(21))	not ugly	not ugly	~	

Passed all tests! <

Correct

```
Question 3
Correct
Mark 1.00 out of 1.00
```

Write a code to check whether product of digits at even places is divisible by sum of digits

at odd place of a positive integer.

Input Format:

Take an input integer from stdin.

Output Format:

Print TRUE or FALSE.

Example Input:

1256

Output:

TRUE

Example Input:

1595

Output:

FALSE

For example:

Test	Result
<pre>print(productDigits(1256))</pre>	True
<pre>print(productDigits(1595))</pre>	False

Answer: (penalty regime: 0 %)

```
Reset answer
```

```
1 ▼ def productDigits(n):
2
3
         s=str(n)
4
         e=1
5
         o=<mark>0</mark>
 6 •
         for i in range(len(s)):
 7
             if(i%2!=0):
                  e*=int(s[i])
8
 9
10
                  o+=int(s[i])
11
         return e%o==0
```

	Test	Expected	Got	
~	<pre>print(productDigits(1256))</pre>	True	True	~
~	<pre>print(productDigits(1595))</pre>	False	False	~

Passed all tests! <

Correct

Marks for this submission: 1.00/1.00.

Question 4
Correct
Mark 1.00 out of 1.00

An automorphic number is a number whose square ends with the number itself.

For example, 5 is an automorphic number because 5*5 = 25. The last digit is 5 which same as the given number.

If the number is not valid, it should display "Invalid input".

If it is an automorphic number display "Automorphic" else display "Not Automorphic".

Input Format:

Take a Integer from Stdin Output Format: Print Automorphic if given number is Automorphic number, otherwise Not Automorphic Example input: 5 Output: Automorphic Example input: 25 Output: Automorphic Example input: 7 Output: Not Automorphic

For example:

Test	Result	
<pre>print(automorphic(5))</pre>	Automorphic	

Answer: (penalty regime: 0 %)

```
Reset answer
```

```
1 

def automorphic(number):
        try:
 3
            number = int(number)
 4
        except ValueError:
            return "Invalid input"
5
 6
        square = number * number
 7
        str_number = str(number)
 8
        str_square = str(square)
9
        if str_square.endswith(str_number):
10
            return "Automorphic"
        else:
11 1
12
            return "Not Automorphic"
13
14
```

	Test	Expected	Got	
~	<pre>print(automorphic(5))</pre>	Automorphic	Automorphic	~
~	<pre>print(automorphic(7))</pre>	Not Automorphic	Not Automorphic	~

Passed all tests! ✓

Correct

```
Question 5
Correct
Mark 1.00 out of 1.00
```

An abundant number is a number for which the sum of its proper divisors is greater than

the number itself. Proper divisors of the number are those that are strictly lesser than the number.

Input Format:

Take input an integer from stdin

Output Format:

Return Yes if given number is Abundant. Otherwise, print No

Example input:

12

Output:

Yes

Explanation

The proper divisors of 12 are: 1, 2, 3, 4, 6, whose sum is 1 + 2 + 3 + 4 + 6 = 16. Since sum of proper divisors is greater than the given number, 12 is an abundant number.

Example input:

13

Output:

No

Explanation

The proper divisors of 13 is: 1, whose sum is 1. Since sum of proper divisors is not greater than the given number, 13 is not an abundant number.

For example:

Test	Result
<pre>print(abundant(12))</pre>	Yes
print(abundant(13))	No

Answer: (penalty regime: 0 %)

Reset answer

```
1 v def abundant(n):
 2
         c=0
3 ▼
         for i in range(1,n):
 4
             if(n%i==0):
 5
                  c += i
 6
         if n<c:</pre>
             return "Yes"
 7
 8
         else:
             return "No"
9
10
```

	Test	Expected	Got	
~	print(abundant(12))	Yes	Yes	~
~	print(abundant(13))	No	No	~

Passed all tests! 🗸

Correct

Marks for this submission: 1.00/1.00.

■ Week9_MCQ

Jump to...

Searching -

<u>Dashboard</u> / <u>My courses</u> / <u>PSPP/PUP</u> / <u>Searching techniques: Linear and Binary</u> / <u>Week10 Coding</u>

Started on	Thursday, 30 May 2024, 12:31 PM
State	Finished
Completed on	Tuesday, 4 June 2024, 12:31 PM
Time taken	5 days
Marks	4.00/5.00
Grade	80.00 out of 100.00

```
Question 1
Correct
Mark 1.00 out of 1.00
```

Bubble Sort is the simplest <u>sorting</u> algorithm that works by repeatedly swapping the adjacent elements if they are in wrong order. You read an <u>list</u> of numbers. You need to arrange the elements in ascending order and print the result. The <u>sorting</u> should be done using bubble sort.

Input Format: The first line reads the number of elements in the array. The second line reads the array elements one by one.

Output Format: The output should be a sorted <u>list</u>.

For example:

Input	Result
6 3 4 8 7 1 2	1 2 3 4 7 8
5 4 5 2 3 1	1 2 3 4 5

Answer: (penalty regime: 0 %)

```
n = int(input())
   arr = list(map(int, input().split()))
 3
    for i in range(n - 1):
 4 ▼
        for j in range(n - i - 1):
 5 🔻
 6 ▼
            if arr[j] > arr[j + 1]:
 7
                # Swap elements
                arr[j], arr[j + 1] = arr[j + 1], arr[j]
 8
9
10
   print(*arr)
11
```

	Input	Expected	Got	
~	6 3 4 8 7 1 2	1 2 3 4 7 8	1 2 3 4 7 8	~
~	6 9 18 1 3 4 6	1 3 4 6 9 18	1 3 4 6 9 18	~
~	5 4 5 2 3 1	1 2 3 4 5	1 2 3 4 5	~

Passed all tests! <

Correct

```
Question 2
Correct
Mark 1.00 out of 1.00
```

Given an listof integers, sort the array in ascending order using the Bubble Sort algorithm above. Once sorted, print the following three lines:

- 1. <u>List</u> is sorted in numSwaps swaps., where numSwaps is the number of swaps that took place.
- 2. First Element: firstElement, the *first* element in the sorted <u>list</u>.
- 3. Last Element: lastElement, the *last* element in the sorted <u>list</u>.

For example, given a worst-case but small array to sort: a=[6,4,1]. It took 3 swaps to sort the array. Output would be

```
Array is sorted in 3 swaps.

First Element: 1
```

Input Format

Last Element: 6

The first line contains an integer,n , the size of the $\underline{\text{list}}$ a .

The second line contains n, space-separated integers a[i].

Constraints

- · 2<=n<=600
- \cdot 1<=a[i]<=2x10⁶.

Output Format

You must print the following three lines of output:

- 1. <u>List</u> is sorted in numSwaps swaps., where numSwaps is the number of swaps that took place.
- 2. First Element: firstElement, the first element in the sorted list.
- 3. Last Element: lastElement, the *last* element in the sorted <u>list</u>.

Sample Input 0

3

123

Sample Output 0

List is sorted in 0 swaps.

First Element: 1

Last Element: 3

For example:

Input	Result
3 3 2 1	List is sorted in 3 swaps. First Element: 1 Last Element: 3
5 1 9 2 8 4	List is sorted in 4 swaps. First Element: 1 Last Element: 9

Answer: (penalty regime: 0 %)

```
1 v def bubble_sort(arr):
 2
        n = len(arr)
 3
        num_swaps = 0
        for i in range(n):
 4
 5
            for j in range(n - 1):
                 if arr[j] > arr[j + 1]:
 6
 7
                     arr[j], arr[j + 1] = arr[j + 1], arr[j]
 8
                     num\_swaps += 1
 9
        return num_swaps
10
11 # Input parsing
```

```
n = int(input())
arr = list(map(int, input().split()))

# Sorting using Bubble Sort
num_swaps = bubble_sort(arr)

# Output
print("List is sorted in", num_swaps, "swaps.")
print("First Element:", arr[0])
print("Last Element:", arr[-1])
```

	Input	Expected	Got	
~	3 3 2 1	List is sorted in 3 swaps. First Element: 1 Last Element: 3	List is sorted in 3 swaps. First Element: 1 Last Element: 3	~
~	5 1 9 2 8 4	List is sorted in 4 swaps. First Element: 1 Last Element: 9	List is sorted in 4 swaps. First Element: 1 Last Element: 9	~

Passed all tests! ✓

Correct

```
Question 3
Correct
Mark 1.00 out of 1.00
```

To find the frequency of numbers in a $\underline{\text{list}}$ and display in sorted order.

Constraints:

1<=n, arr[i]<=100

Input:

1 68 79 4 90 68 1 4 5

output:

12

4 2

5 1

68 2

79 1

90 1

For example:

Input					R	esult	
4	3	5	3	4	5	3	2
						4	2
						5	2

Answer: (penalty regime: 0 %)

```
arr = list(map(int, input().split()))

freq_dict = {}

for num in arr:
    freq_dict[num] = freq_dict.get(num, 0) + 1

sorted_freq = sorted(freq_dict.items())

for num, freq in sorted_freq:
    print(num, freq)
```

	Input	Expected	Got	
~	4 3 5 3 4 5	3 2	3 2	~
		4 2	4 2	
		5 2	5 2	
~	12 4 4 4 2 3 5	2 1	2 1	~
		3 1	3 1	
		4 3	4 3	
		5 1	5 1	
		12 1	12 1	

	Input	Expected	Got	
~	5 4 5 4 6 5 7 3	3 1	3 1	~
		4 2	4 2	
		5 3	5 3	
		6 1	6 1	
		7 1	7 1	

Passed all tests! 🗸

Correct

Question 4

Not answered

Mark 0.00 out of 1.00

An <u>list</u> contains N numbers and you want to determine whether two of the numbers sum to a given number K. For example, if the input is 8, 4, 1, 6 and K is 10, the answer is yes (4 and 6). A number may be used twice.

Input Format

The first line contains a single integer n, the length of <u>list</u>

The second line contains n space-separated integers, <u>list[i]</u>.

The third line contains integer k.

Output Format

Print Yes or No.

Sample Input

7

0124653

1

Sample Output

Yes

For example:

Input	Result		
5 8 9 12 15 3 11	Yes		
6 2 9 21 32 43 43 1 4	No		

Answer: (penalty regime: 0 %)

1	
	11

Question **5**Correct
Mark 1.00 out of 1.00

Write a Python program for binary search.

For example:

Input	Result
1,2,3,5,8	False
3,5,9,45,42 42	True

Answer: (penalty regime: 0 %)

	Input	Expected	Got	
~	1,2,3,5,8	False	False	~
~	3,5,9,45,42 42	True	True	~
~	52,45,89,43,11 11	True	True	~

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

■ Week10_MCQ

Jump to...

Sorting ►