

GE19211 / GE23233 / GE23231 - PSPP/PUP

Dashboard / My courses / PSPP/PUP / Experiments based on Variables, Datatypes in Python, / Week1_Coding

Quiz navigation



Show one page at a time

Finish review

Started on: Tuesday, 12 March 2024, 11:53 PM
State: Finished
Completed on: Saturday, 14 April 2024, 9:29 AM
Time taken: 21 days 19 hours
Marks: 0.00/100
Grade: 100.00 out of 100.00Question 1
Correct
Mark 1.00 out of 1.00
Flag question

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

Sample Input:
10

10.9

Sample Output:
10: int
10.9: float

For example:

Input Result

10 10, <class 'int'>
10.9 10.9, <class 'float'>

Answer: (penalty regime: 0 %)

1 #>input()
2 i=>input()
3 print(i)
4 #>int(input())
5 print("int",type(i))
6 print("float",type(float(i)))
7

Passed all tests: ✓

Correct
Marks for this submission: 1.00/1.00Question 2
Correct
Mark 1.00 out of 1.00
Flag question

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:
10000Sample Output:
16000

For example:

Input Result

10000 10000

Answer: (penalty regime: 0 %)

1 basic_salary=>int(input())
2 da=0.4*basic_salary
3hra=0.2*basic_salary
4 gross_salary= basic_salary+da+hra
5 print(gross_salary)

Passed all tests: ✓

Correct
Marks for this submission: 1.00/1.00Question 3
Correct
Mark 1.00 out of 1.00
Flag question

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:
8.00Sample Output:
2.828

For example:

Input Result

14.44 3.742

Answer: (penalty regime: 0 %)

1 #>input()
2 x=>float(input())
3 number = float(input())
4 print(number)
5
6 # calculate the cost price (X * Y)
7 x,y=map(int,input().split())
8
9 # calculate the sale price
10 price = 2 * cost_price
11
12 # calculate the gain percent
13 gain_percent = (price / cost_price) * 100
14
15 # print the result
16 print("%d is the gain percent." % gain_percent)

Passed all tests: ✓

Correct
Marks for this submission: 1.00/1.00Question 4
Correct
Mark 1.00 out of 1.00
Flag question

Albert 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 Albert 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 Rs X
The second line contains Rs Y
The third line contains Rs ZSample Input:
10000
250
15000Sample Output:
46.54 is the gain percent.

For example:

Input Result

0000 30.49

Answer: (penalty regime: 0 %)

1 # Read input values
2 x = float(input())
3 y = float(input())
4 z = float(input())
5
6 # calculate the cost price (X + Y)
7 cost_price = x + y
8
9 # calculate the sale price
10 price = 2 * cost_price
11
12 # calculate the gain percent
13 gain_percent = (price / cost_price) * 100
14
15 # print the result
16 print("%d is the gain percent." % gain_percent)

Passed all tests: ✓

Correct
Marks for this submission: 1.00/1.00Question 5
Correct
Mark 1.00 out of 1.00
Flag question

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. While 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 10.00

Answer: (penalty regime: 0 %)

1 # Read the number of containers of each size from the user.
2 c1 = int(input())
3 c2 = int(input())
4
5 # calculate the refund amount for each size of container
6 refund_less = c1*0.10
7 refund_more = c2*0.25
8
9 # calculate the total refund
10 total_refund = refund_less + refund_more
11
12 # print the total refund amount with two decimal places
13 print("Your total refund will be \${total_refund:.2f}.)")

Passed all tests: ✓

Correct
Marks for this submission: 1.00/1.00Question 6
Correct
Mark 1.00 out of 1.00
Flag question

Aunty is a seaport who works on an hourly basis. He works in a company where he is paid Rs 30 for an hour on weekdays and Rs 40 for an hour on weekends. He works 10 hrs more on weekdays than weekends.

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

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

num = -100
absolute_number = abs(num)
print(absolute_number)

Output: 100

Sample Input:
400Sample Output:
weekdays: 30.00
weekend: 40.00

For example:

Input Result

400 100.00

Answer: (penalty regime: 0 %)

1 #>int(input())
2 x=(x*30)/100
3 print(x)
4
5 #>int(input())
6 print("weekdays: ",x*30)
7 print("weekend: ",x*40)

Passed all tests: ✓

Correct
Marks for this submission: 1.00/1.00Question 7
Correct
Mark 1.00 out of 1.00
Flag question

You are logged in as NAKNEETHA KRISHNAM 2022-BCHM2-A-Unit-1

PSPP/PUP

Data retention summary

Contact support

About this Quiz

Operators &

Finish review

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U.S. Patent and
Trademark Office

The screenshot displays a software application window with a light gray background. At the top, there is a navigation bar with several icons and labels. Below the navigation bar is a large table with three columns: 'Index', 'Response', and 'Data'. The 'Index' column contains numerical values from 1 to 10. The 'Response' column contains text entries such as 'The response is original.', and 'The response is original.'. The 'Data' column contains a single value 'n' for all rows. Below the table is a section titled 'Detailed Report' with a green header bar. This section includes a 'Report Details' button and a 'Report Generation' button. Further down is a 'Report Examples' section with a 'Report Example' button. The bottom half of the screen features a large code editor window with a dark background and white text. The code is written in a programming language, likely C or C++, and includes various functions, loops, and conditional statements. A scroll bar is visible on the right side of the code editor.

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Defined / My scores / PUP/PUP / Algorithms Approach: Recursion control structures / When Coding

Quiz navigation



Show one page at a time

Recent quizzes

Started on Sunday, 28 April 2019, 4:26 PM
Ended Sunday, 28 April 2019, 4:33 PM
Time taken 7 minutes 46 seconds
Marks 100.00 / 100
Grade 100.00 out of 100.00

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

Single Integer Input:
Output Format:
Output displays Yes if condition satisfaction prints Yes.
Example Input:
14
Output:
No

Answer: (Specify response 2702)

```
1. n = int(input("1"))
2. for i in range(1,10):
3.     if n % i == 0:
4.         print(i)
5.         n = n // i
6. else:
7.     print("No")
```

Input Expected - Out
 14 Yes ✓
 12 Yes ✓
 10 Yes ✓
Passed of tests: ✓
Marked as Submitted: 1.00/1.00

Started on Sunday, 28 April 2019, 4:26 PM
Ended Sunday, 28 April 2019, 4:33 PM
Time taken 7 minutes 46 seconds
Marks 100.00 / 100
Grade 100.00 out of 100.00

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 i.e. 1 and i <= 20000.

For e.g.
Input given number is 243, the program should return 2 because there are only 2 unique digits '2' and '3' in this number.
Input given number is 100, the program should return 1 because there are 0 unique digits in this number. i.e. 0 and 0.

For example:

Input - Result:
 100 Yes ✓
 1000 Yes ✓
 10000 Yes ✓
Passed of tests: ✓
Marked as Submitted: 1.00/1.00

Answer: (Specify response 2702)

```
1. n = int(input("1"))
2. c = 0
3. for i in range(1,10):
4.     if n % i == 0:
5.         c = c + 1
6. print(c)
```

Input Expected - Out
 100 Yes ✓
 1000 Yes ✓
 10000 Yes ✓
Passed of tests: ✓
Marked as Submitted: 1.00/1.00

Started on Sunday, 28 April 2019, 4:26 PM
Ended Sunday, 28 April 2019, 4:33 PM
Time taken 7 minutes 46 seconds
Marks 100.00 / 100
Grade 100.00 out of 100.00

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

Input format:
Integer input from stdin.

Output format:
Print output.

Max output limit:
Yes or No.

Example Input:
10
Output:
36

Answer: (Specify response 2702)

```
1. n = int(input("1"))
2. i = 1
3. while i * i <= n:
4.     i = i + 1
5. print((i - 1) * (i - 1))
```

Input Expected - Out
 100 Yes ✓
 1000 Yes ✓
 10000 Yes ✓
Passed of tests: ✓
Marked as Submitted: 1.00/1.00

Started on Sunday, 28 April 2019, 4:26 PM
Ended Sunday, 28 April 2019, 4:33 PM
Time taken 7 minutes 46 seconds
Marks 100.00 / 100
Grade 100.00 out of 100.00

A number is called a Dianchi number when the sum of its digit raised to the power of their respective positions (i.e., i^{i+1}) is equal to the number itself. Write a program to count number is Dianchi or not.

Input format:
Single Integer Input from stdin.

Output format:
Yes or No.

Max output limit:
Yes or No.

Example Input:
11
Output:
Yes

Answer: (Specify response 2702)

```
1. n = int(input("1"))
2. s = 0
3. for i in range(1,n+1):
4.     s = s + i ** (i+1)
5. if s == n:
6.     print("Yes")
7. else:
8.     print("No")
```

Input Expected - Out
 11 Yes ✓
 1000 Yes ✓
 10000 Yes ✓
Passed of tests: ✓
Marked as Submitted: 1.00/1.00

Started on Sunday, 28 April 2019, 4:26 PM
Ended Sunday, 28 April 2019, 4:33 PM
Time taken 7 minutes 46 seconds
Marks 100.00 / 100
Grade 100.00 out of 100.00

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

Input format:
Single Integer Input.

Output format:
Yes or No.

Max output limit:
Yes or No.

Example Input:
34
Output:
No

Answer: (Specify response 2702)

```
1. n = int(input("1"))
2. for i in range(1,10000):
3.     if n + i * i == i * i:
4.         print("Yes")
5.         break
6. else:
7.     print("No")
```

Input Expected - Out
 34 Yes ✓
 10000 Yes ✓
Passed of tests: ✓
Marked as Submitted: 1.00/1.00

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Submitted / MySocware / Experiments based on Storage and its operations / Need Coding

Quiz navigation



Move one page of article

Fresh review

Started on: Tuesday, 22 April 2023, 10:17 PM
Completed on: Tuesday, 22 April 2023, 11:02 PM
Duration: 1 hour 45 min
Marks: 100.00 out of 100.00
Grade: 100.00 out of 100.00

Given a string S which is of the format `username@domain.extension`, the program must print the `username`, `domain`, `username` in the inverse order.

Input Format:
The first line contains S.

Output Format:
The first line contains `username`.
The second line contains `domain`.
The third line contains `username`.

Boundary Conditions:
1 <= length of S <= 100

Example Input/Output:

Input	Expected Output
<code>abc@gmail.com</code>	<code>abc</code> <code>gmail.com</code> <code>abc</code>

Answer: (partly correct) 0/2

```
1. if (input[0] == '@') {  
2.     int i = 0;  
3.     int j = 0;  
4.     int k = 0;  
5.     while (input[i] != '@') {  
6.         i++;  
7.     }  
8.     while (input[i+1] != '.') {  
9.         j++;  
10.    }  
11.    while (input[i+1+j] != '@') {  
12.        k++;  
13.    }  
14.    System.out.println(input[i+1:k]);  
15.    System.out.println(input[i+1+j+1]);  
16.    System.out.println(input[i+1:k]);  
17. }
```

Passed all tests: ✓

Score for this submission: 100.00

Started on: Tuesday, 22 April 2023, 10:17 PM
Completed on: Tuesday, 22 April 2023, 11:02 PM
Duration: 1 hour 45 min
Marks: 100.00 out of 100.00
Grade: 100.00 out of 100.00

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:

```
dog  
cat  
bird  
seagull  
then your program should display:  
dog  
cat  
bird  
seagull
```

Answer: (partly correct) 0/2

```
1. if (input != null) {  
2.     String str = input.nextLine();  
3.     if (str.equals("")) {  
4.         System.out.println(str);  
5.     } else {  
6.         System.out.println(str);  
7.     }  
8. }
```

Passed all tests: ✓

Score for this submission: 100.00

Started on: Tuesday, 22 April 2023, 10:17 PM
Completed on: Tuesday, 22 April 2023, 11:02 PM
Duration: 1 hour 45 min
Marks: 100.00 out of 100.00
Grade: 100.00 out of 100.00

String should contain only the words are not punctuation.

Example Input:
Hello World

Example Output:
Hello World

Answer: (partly correct) 0/2

```
1. if (input != null) {  
2.     String str = input.nextLine();  
3.     if (str.equals("Hello World")) {  
4.         System.out.println(str);  
5.     }  
6. }
```

Passed all tests: ✓

Score for this submission: 100.00

Started on: Tuesday, 22 April 2023, 10:17 PM
Completed on: Tuesday, 22 April 2023, 11:02 PM
Duration: 1 hour 45 min
Marks: 100.00 out of 100.00
Grade: 100.00 out of 100.00

Assume that the given string has enough commas.

(Don't use any extra spaces in PLAIN)

Example Input:
Hello World

Example Output:
Hello,World

Answer: (partly correct) 0/2

```
1. if (input != null) {  
2.     String str = input.nextLine();  
3.     if (str.equals("Hello World")) {  
4.         System.out.println(str);  
5.     }  
6. }
```

Passed all tests: ✓

Score for this submission: 100.00

Started on: Tuesday, 22 April 2023, 10:17 PM
Completed on: Tuesday, 22 April 2023, 11:02 PM
Duration: 1 hour 45 min
Marks: 100.00 out of 100.00
Grade: 100.00 out of 100.00

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:
ABC@#DEF

Output:
EDC@#BAF

Explanation: As per given S and ABC@#DEF the output should return "EDC@#BAF". As we ignore "A" and then reverse, so answer is "EDC@#BAF".

For example:

Input	Result
<code>ABC@#DEF</code>	<code>EDC@#BAF</code>

Answer: (partly correct) 0/2

```
1. if (input != null) {  
2.     String str = input.nextLine();  
3.     if (str.equals("ABC@#DEF")) {  
4.         System.out.println(str);  
5.     }  
6. }
```

Passed all tests: ✓

Score for this submission: 100.00

Started on: Tuesday, 22 April 2023, 10:17 PM
Completed on: Tuesday, 22 April 2023, 11:02 PM
Duration: 1 hour 45 min
Marks: 100.00 out of 100.00
Grade: 100.00 out of 100.00

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

For example:

Input	Result
<code>red@123</code>	<code>red@123</code>

Answer: (partly correct) 0/2

```
1. if (input != null) {  
2.     String str = input.nextLine();  
3.     if (str.equals("red@123")) {  
4.         System.out.println(str);  
5.     }  
6. }
```

Passed all tests: ✓

Score for this submission: 100.00

08/07/2011 / 08/07/2011 - Report ID: 10
 Report Name: Project Management Report
 Report Type: Standard
 Report Scope: All
 Report Status: Active

Project Overview
 Status: In Progress
 Progress: 50%
 Last Update: 08/07/2011 10:00 AM
 Due Date: 08/12/2011
 Priority: High
 Assignee: John Doe

Task List

Task ID	Task Name	Start Date	End Date	Priority	Status
1	Task 1	08/01/2011	08/05/2011	High	In Progress
2	Task 2	08/02/2011	08/06/2011	Medium	Pending Review
3	Task 3	08/03/2011	08/07/2011	Low	Completed
4	Task 4	08/04/2011	08/08/2011	High	Pending Approval
5	Task 5	08/05/2011	08/09/2011	Medium	In Progress
6	Task 6	08/06/2011	08/10/2011	Low	Pending Review
7	Task 7	08/07/2011	08/11/2011	High	Pending Approval
8	Task 8	08/08/2011	08/12/2011	Medium	In Progress
9	Task 9	08/09/2011	08/13/2011	Low	Pending Review
10	Task 10	08/10/2011	08/14/2011	High	Pending Approval
11	Task 11	08/11/2011	08/15/2011	Medium	In Progress
12	Task 12	08/12/2011	08/19/2011	Low	Pending Review

Resource Allocation

Resource ID	Resource Name	Start Date	End Date	Priority	Status
R1	Resource 1	08/01/2011	08/05/2011	High	In Progress
R2	Resource 2	08/02/2011	08/06/2011	Medium	Pending Review
R3	Resource 3	08/03/2011	08/07/2011	Low	Completed
R4	Resource 4	08/04/2011	08/08/2011	High	Pending Approval
R5	Resource 5	08/05/2011	08/09/2011	Medium	In Progress
R6	Resource 6	08/06/2011	08/10/2011	Low	Pending Review
R7	Resource 7	08/07/2011	08/11/2011	High	Pending Approval
R8	Resource 8	08/08/2011	08/12/2011	Medium	In Progress
R9	Resource 9	08/09/2011	08/13/2011	Low	Pending Review
R10	Resource 10	08/10/2011	08/14/2011	High	Pending Approval
R11	Resource 11	08/11/2011	08/15/2011	Medium	In Progress
R12	Resource 12	08/12/2011	08/19/2011	Low	Pending Review

Issue Log

Issue ID	Issue Description	Severity	Status
I1	Task 1: Resource allocation issue	High	Pending Resolution
I2	Task 2: Communication delay	Medium	Pending Resolution
I3	Task 3: Resource availability	Low	Resolved
I4	Task 4: Stakeholder concern	High	Pending Resolution
I5	Task 5: Resource conflict	Medium	Pending Resolution
I6	Task 6: Resource availability	Low	Resolved
I7	Task 7: Stakeholder concern	High	Pending Resolution
I8	Task 8: Resource allocation issue	Medium	Pending Resolution
I9	Task 9: Resource availability	Low	Resolved
I10	Task 10: Stakeholder concern	High	Pending Resolution
I11	Task 11: Resource conflict	Medium	Pending Resolution
I12	Task 12: Resource availability	Low	Resolved

Cost Breakdown

Category	Value
Personnel	\$12,000
Materials	\$8,000
Equipment	\$5,000
Travel	\$3,000
Subcontractor	\$2,000
Contingency	\$1,000
Total	\$31,000

Financial Summary

Category	Value
Budget	\$30,000
Actual	\$31,000
Variance	\$1,000
Forecast	\$32,000
Remaining	\$1,000

Report Generated On: 08/07/2011
Report Generated By: Admin