H

Python Basics Hands-on Series-1 SGP > joy.ashwin@tcs.com

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Test Name:	**Python Basics Hands-on Series-1 SGP**	
Taken On:	2 Mar 2024 14:12:51 IST	
Time Taken:	13 min 34 sec/ 60 min	
Invited by:	Ashwin Joy	
Skills Score:		
Tags Score:		

100%
100/100

scored in **Python Basics Hands-on Series-1 SGP** in 13 min 34 sec on 2 Mar 2024 14:12:51 IST

Recruiter/Team Comments:

No Comments.

	Question Description	Time Taken	Score	Status
Q1	**Programming Q1** > **Coding**	2 min 36 sec	25/ 25	✓
Q2	**Programming Q2** > **Coding**	2 min 3 sec	25/ 25	✓
Q3	**Programming Q3** > **Coding**	5 min 25 sec	25/ 25	✓
Q4	**Programming Q4** > **Coding**	3 min 23 sec	25/ 25	✓

QUESTION 1

✓

Correct Answer

Score 25

Programming Q1 > Coding

QUESTION DESCRIPTION

Write a program to check whether the given number is even or odd. If the number is odd, print "Odd Number" on the console, and if the number is even, print "Even Number" on the console.

Sample Testcase

Input

```
178
```

Output

```
Even Number
```

Language used: **Python 3**

```python
1  # Enter your code here. Read input from STDIN. Print output to STDOUT
2
3  n = int(input())
4
5  if(n%2==0):
6      print("Even Number")
7  else:
8      print("Odd Number")
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 0	Easy	Sample case	✓ Success	5	0.0146 sec	9.3 KB
Testcase 1	Easy	Hidden case	✓ Success	5	0.0897 sec	9.27 KB
Testcase 2	Easy	Hidden case	✓ Success	5	0.11 sec	9.34 KB
Testcase 3	Easy	Hidden case	✓ Success	5	0.0136 sec	9.45 KB
Testcase 4	Easy	Hidden case	✓ Success	5	0.0161 sec	9.41 KB

No Comments

QUESTION 2

✓

Correct Answer

Score 25

Programming Q2 > Coding

QUESTION DESCRIPTION

Write a program to convert the temperature in degrees centigrade to Fahrenheit. You need to read the temperature value in degrees centigrade as input from the console. Calculate the temperature in Fahrenheit using the following formula:

The temperature in Fahrenheit = $((9*c)/5)+32$, where c is the temperature in degrees centigrade.

Print the temperature in Fahrenheit as output to the console. The output should be rounded off to 1 decimal place.

Sample Testcase

Input

```
34.5
```

Output

```
94.1
```

CANDIDATE ANSWER

Language used: **Python 3**

```
1  # Enter your code here. Read input from STDIN. Print output to STDOUT
2
3  c = float(input())
4
5  f = ((9*c)/5) + 32
6
7  print(round(f,1))
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 0	Easy	Sample case	✓ Success	5	0.019 sec	9.26 KB
Testcase 1	Easy	Hidden case	✓ Success	5	0.0181 sec	9.32 KB
Testcase 2	Easy	Hidden case	✓ Success	5	0.0393 sec	9.19 KB
Testcase 3	Easy	Hidden case	✓ Success	5	0.0159 sec	9.46 KB
Testcase 4	Easy	Hidden case	✓ Success	5	0.0154 sec	9.12 KB

No Comments

QUESTION 3

✓

Correct Answer

Score 25

Programming Q3 > Coding

QUESTION DESCRIPTION

Write a program to find the area of a triangle whose three sides are given. Read the length of the three sides from the console, one line at a time.

You can use the following equation to calculate the area of a triangle:

area = square root of (s * (s-a) * (s-b) * (s-c)), where s = (a+b+c)/2

Print the area of the triangle as output on the console. The value should be rounded off to two decimal places.

If the input values of all the sides of a triangle are invalid, print "Invalid Triangle" as output.

Sample Input

Input

```
4
3
6
```

Output

```
The area of the triangle is: 5.33
```

CANDIDATE ANSWER

Language used: **Python 3**

```
1  # Enter your code here. Read input from STDIN. Print output to STDOUT
2  import math
3
4  a = float(input())
```

```
 5 b = float(input())
 6 c = float(input())
 7
 8 if(a+b>c and b+c>a and c+a>b):
 9     s = (a+b+c)/2
10     area = math.sqrt(s*(s-a)*(s-b)*(s-c))
11     print("The area of the triangle is: {:.2f}".format(area))
12 else:
13     print("Invalid Triangle")
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 0	Easy	Sample case	✓ Success	5	0.0604 sec	9.48 KB
Testcase 1	Easy	Sample case	✓ Success	5	0.0212 sec	9.39 KB
Testcase 2	Easy	Hidden case	✓ Success	5	0.018 sec	9.32 KB
Testcase 3	Easy	Hidden case	✓ Success	5	0.0154 sec	9.39 KB
Testcase 4	Easy	Hidden case	✓ Success	5	0.0177 sec	9.25 KB

No Comments

QUESTION 4

✓

Correct Answer

Score 25

Programming Q4 > Coding

QUESTION DESCRIPTION

Write a program to find out the average of a set of integers.

Read the number of values n from the console in the first line. For the next "n" lines, read the integer values one by one. Print the average of the n numbers on the console as output.

The output value should be rounded off to two decimal places.

Sample TestCase

Input

```
5
2
4
3
10
7
```

Output

```
The average is: 5.20
```

CANDIDATE ANSWER

Language used: **Python 3**

```
1 # Enter your code here. Read input from STDIN. Print output to STDOUT
2
3 n = int(input())
4 sum = 0
```

```
5   for i in range(n):
6       value = int(input())
7       sum = sum + value
8
9   avg = sum/n
10
11  print("The average is: {:.2f}".format(avg))
12
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 0	Easy	Sample case	✓ Success	5	0.0146 sec	9.48 KB
Testcase 1	Easy	Hidden case	✓ Success	5	0.0156 sec	9.44 KB
Testcase 2	Easy	Hidden case	✓ Success	5	0.0936 sec	9.57 KB
Testcase 3	Easy	Hidden case	✓ Success	5	0.0171 sec	9.56 KB
Testcase 4	Easy	Hidden case	✓ Success	5	0.0152 sec	9.62 KB

No Comments