

# Python Basics Hands-on Series-2 SGP > joy.ashwin@tcs.com

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Full Name: Ashwin Joy

Email: joy.ashwin@tcs.com

Test Name: Python Basics Hands-on Series-2 SGP

 Taken On:
 2 Mar 2024 16:04:53 IST

 Time Taken:
 10 min 42 sec/ 60 min

Invited by: Ashwin Joy

Skills Score: Tags Score: 100%

scored in **Python Basics Hands-on Series-2 SGP** in 10
min 42 sec on 2 Mar 2024
16:04:53 IST

# **Recruiter/Team Comments:**

No Comments.

	Question Description	Time Taken	Score	Status
Q1	Programming Q5 > Coding	37 sec	25/ 25	<b>⊘</b>
Q2	Programming Q6 > Coding	1 min 5 sec	25/ 25	<b>⊘</b>
Q3	Programming Q7 > Coding	3 min 1 sec	25/ 25	<b>⊘</b>
Q4	Programming Q8 > Coding	5 min 35 sec	25/ 25	<b>⊘</b>

QUESTION 1	Programming Q5 > Coding
Correct Answer	QUESTION DESCRIPTION
Score 25	Write a program to display the given integer in a reverse manner. Read an integer value as the input from the console. Find the reverse of the number and print it on the console as output.
	Sample TestCase
	Input
	749
	Output
	947

# CANDIDATE ANSWER

# Language used: Python 3

```
1
2 my_string = input()
3
4 print(my_string[::-1])
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 0	Easy	Sample case	Success	5	0.036 sec	9.15 KB
Testcase 1	Easy	Hidden case	Success	5	0.014 sec	9.07 KB
Testcase 2	Easy	Hidden case	Success	5	0.0165 sec	9.23 KB
Testcase 3	Easy	Hidden case	Success	5	0.0152 sec	9.08 KB
Testcase 4	Easy	Hidden case	Success	5	0.0158 sec	9.12 KB

No Comments

#### **QUESTION 2**



Correct Answer

Score 25

# Programming Q6 > Coding

#### QUESTION DESCRIPTION

Write a program to check whether a number is palindrome or not. If the number is a palindrome, print "The number is a palindrome". Else, print "The number is not a palindrome".

# Sample TestCase

# Input

```
12321
```

#### Output

The number is a palindrome

# **CANDIDATE ANSWER**

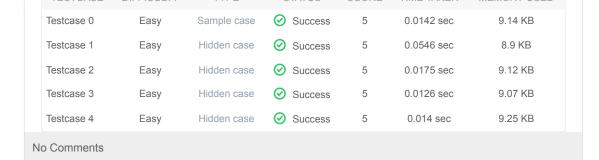
# Language used: Python 3

```
# Enter your code here. Read input from STDIN. Print output to STDOUT

my_string = input()
reverse = my_string[::-1]

if(my_string == reverse):
    print("The number is a palindrome")
else:
    print("The number is not a palindrome")

TESTCASE DIFFICULTY TYPE STATUS SCORE TIME TAKEN MEMORY USED
```



#### **QUESTION 3**



Score 25

# Programming Q7 > Coding

#### **QUESTION DESCRIPTION**

Write a program to find the circumference and area of a circle with a given radius.

Read the input from the console. Print the area of the circle and the circumference of the circle as output. Round off the values to two decimal places. Please refer the sample test cases for reference.

Kindly use these formulas:

```
circumference = 2 * PI * r
area = PI * r * r
```

, where r is the radius if the circle. You can use 3.1416 as the value of PI.

#### **Sample TestCase**

#### Input

4

# Output

```
The circumference of the circle is: 25.13
The area of the circle is: 50.27
```

# **CANDIDATE ANSWER**

# Language used: Python 3

```
# Enter your code here. Read input from STDIN. Print output to STDOUT

r = float(input())

c = 2 * 3.1416 * r

area = 3.1416 * r * r

print("The circumference of the circle is: {:.2f}".format(c))

print("The area of the circle is: {:.2f}".format(area))
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 0	Easy	Sample case	Success	5	0.014 sec	9.32 KB

Testcase 1 Easy Hidden case   ✓ Success 5 0.0134 sec 9.32 KB	
Testcase 2 Easy Hidden case  Success 5 0.0157 sec 9.05 KB	
Testcase 3 Easy Hidden case ⊘ Success 5 0.0193 sec 9.21 KB	
Testcase 4 Easy Hidden case  Success 5 0.0266 sec 9.24 KB	

No Comments

#### **QUESTION 4**



Score 25

# Programming Q8 > Coding

#### **QUESTION DESCRIPTION**

Write a program to count the total number of vowels in a string.

Read a string as input from the console and print the number of vowels as output on the console in the following format: "Total number of vowels: 5". If there are no vowels in the string, print "No vowels were found.".

Kindly check the sample test case given below for more clarity.

#### **Sample Testcase**

#### Input

```
HelloWorld
```

#### Output

```
Total number of vowels: 3
```

#### **CANDIDATE ANSWER**

### Language used: Python 3

```
# Enter your code here. Read input from STDIN. Print output to STDOUT

my_string = input()
vowels = "aeiouAEIOU"

count = 0

for i in my_string:
    if i in vowels:
        count += 1

if(count==0):
    print("No vowels were found.")
else:
    print("Total number of vowels:", count)
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 0	Easy	Sample case	Success	5	0.0988 sec	9.12 KB
Testcase 1	Easy	Hidden case	Success	5	0.0541 sec	9.25 KB

Testcase 2	Easy	Hidden case	Success	5	0.0191 sec	9.24 KB	
Testcase 3	Easy	Hidden case	Success	5	0.0482 sec	9.29 KB	
Testcase 4	Easy	Hidden case	Success	5	0.015 sec	9.22 KB	
No Comments							

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