# LP_Practice_SumOfPowersOfDigits

Sasi | 11 Feb 2023

Test Name::

LP_Practice_SumOfPowersOfDigits

Finish State: Normal | Test Taken on: February 11, 2023 10:43:42 PM IST

S

Sasi

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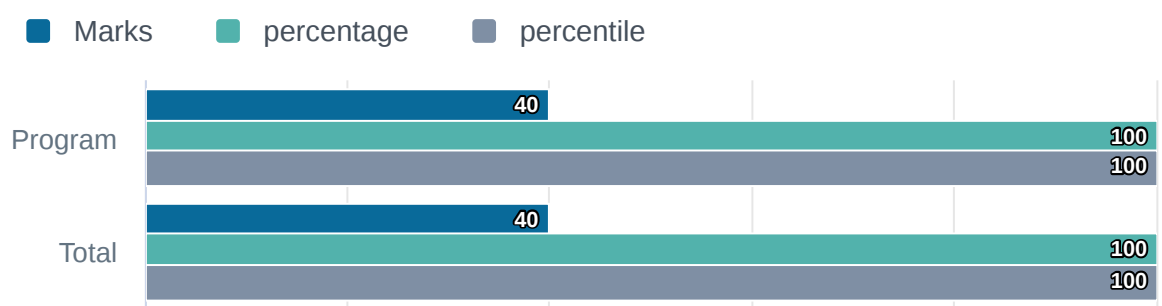
## Overall Summary

| | | |
|---|---|---|
| 40 | Marks Scored | out of 40 |
| 100 % | 100 percentile | out of 40558 Test Takers |
| 1m 43s | Time taken | of 1hr 20mins |

### Marks Scored




### Attempt Summary

Distribution of questions attempted in a total of 1 question(s).

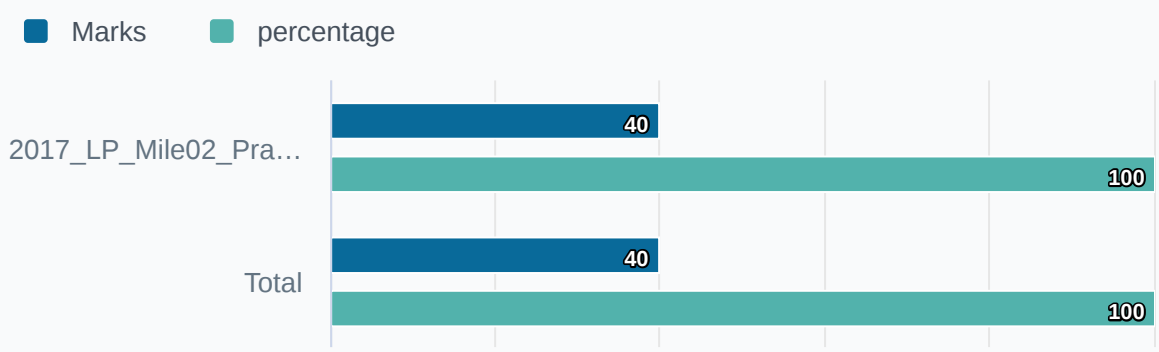

**This shows the correctness of questions attempted by the test taker**

| | | |
|---|---|---|
| Correct | 1 Ques | 40/40 Marks |
| Incorrect | 0 Ques | 0/0 Marks |
| Partially Correct | 0 Ques | 0/0 Marks |
| Not Attempted | 0 Ques | 0/0 Marks |

## Section-Wise Details

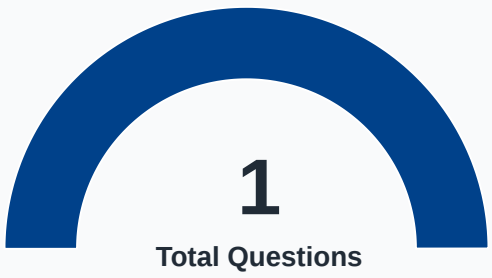
| Section 1 | question(s) | Time taken | Marks Scored |
|---|---|---|---|
| Program | 1 Q. | 1m 43s (Untimed) | 40 / 40 |

### Marks Scored




### Attempt Summary

Distribution of questions attempted in a total of 1 question(s).




This shows the correctness of questions attempted by the test taker

| | | |
|---|---|---|
| Correct | 1 Ques | 40/40 Marks |

## Test Log

11th Feb 2023

| | |
|---|---|
| 10:41 PM | Started the test with Program |
| 10:42 PM | Away from test window |
| 10:42 PM | Away from test window |
| 10:43 PM | Finished the test |

## About the Report

This Report is generated electronically on the basis of the inputs received from the assessment takers. This Report including the AI flags that are generated in case of availing of proctoring services, should not be solely used/relied on for making any business, selection, entrance, or employment-related decisions. Mettl accepts no liability from the use of or any action taken or refrained from or for any and all business decisions taken as a result of or reliance upon anything, including, without limitation, information, advice, or AI flags contained in this Report or sources of information used or referred to in this Report.

Mercer | mettl

Sasi

LP_Practice_SumOfPowersOfDigits / Saved: 0 seconds ago

Test Time: 01:18:40

Finish Test

1. Program

1

Attempted: 1/1

## Question 1

Revisit Later

How to Attempt?

**Sum of Powers of Digits_1:** Alex has been asked by his teacher to do an assignment on powers of numbers. The assignment requires Alex to find the sum of powers of each digit of a given number, as per the method mentioned below.

If the given number is 582109, the Sum of Powers of Digits will be calculated as =
= (5 raised to the power of 8) + (8 raised to the power of 2) + (2 raised to the power of 1) + (1 raised to the power of 0) + (0 raised to the power of 9) + (9 raised to the power of 0)

i.e. each digit of the number is raised to the power of the next digit on its right-side. Note that the right-most digit has to be raised to the power of 0. The sum of all of these powers is the expected result to be calculated.

**Example** - If the given number is 582109, the Sum of Powers of Digits =
= (5 raised to the power of 8) + (8 raised to the power of 2) + (2 raised to the power of 1) + (1 raised to the power of 0) + (0 raised to

JAVA7 | Compiler: Java - 1.7

```
1  import java.io.*;
2  import  java.util.*;
3
4  // Read only region start
5  class UserMainCode
6  {
7
8      public int sumOfPowerOfDigits(int input1){
9          // Read only region end
10     double sum=0.0;
11 String str=Integer.toString(input1);
12 for(int i=0;i<str.length()-1;i++)  {
13
14  int a=Character.getNumericValue(str.charAt(i));
15  int b=Character.getNumericValue(str.charAt(i+1));
16 sum=sum + Math.pow(a, b);
17  }
18  return (int)sum+1;
19     }
```

Use Custom Input

Compile and Test

Submit Code