LP_Practice_CreatePIN3

Sasi | 09 Feb 2023

Test Name::

LP_Practice_CreatePIN3

Finish State: Normal | Test Taken on: February 09, 2023 02:14:57 PM IST

S

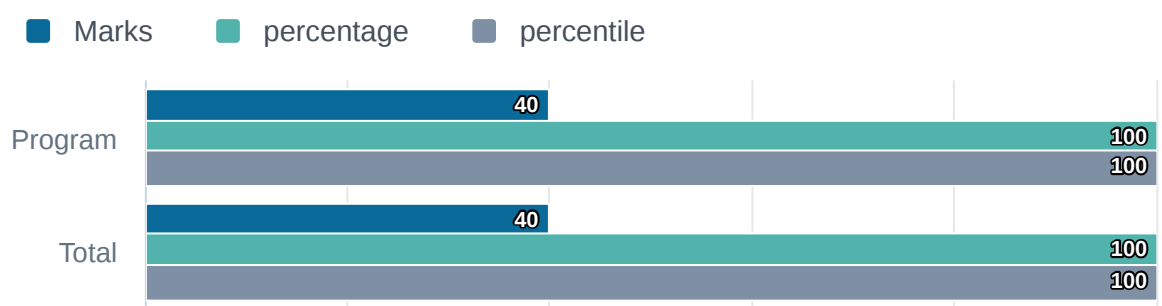
Sasi

sasidevi.s.2020.cse@ritchennai.edu.in

Overall Summary

40	Marks Scored	out of 40
100 %	100 percentile	out of 48756 Test Takers
7m 41s	Time taken	of 1hr 5mins

Marks Scored



Attempt Summary

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

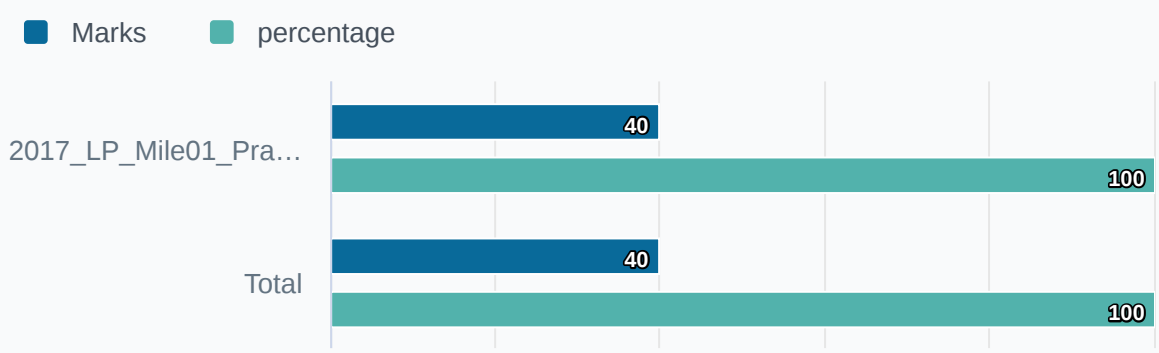
This shows the correctness of questions attempted by the test taker

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

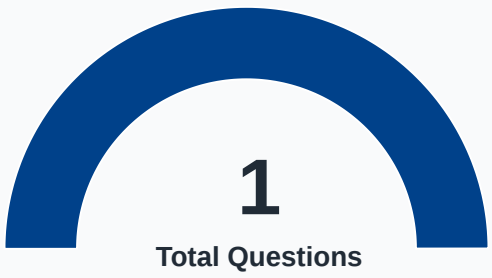
Section 1	question(s)	Time taken	Marks Scored
Program	1 Q.	7m 41s (Untimed)	40 / 40

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

9th Feb 2023

02:07 PM — Started the test with Program

02:14 PM — Finished the test

About the Report

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1. Program

1

Attempted: 1/1

Question 1

Revisit Later

How to Attempt?

pCreate PIN using three given input numbers

"Secure Assets Private Ltd", a small company that deals with lockers has recently started manufacturing digital locks which can be locked and unlocked using PINs (passwords). You have been asked to work on the module that is expected to generate PINs using three input numbers.

Assumptions: The three given input numbers will always consist of three digits each i.e. each of them will be in the range >=100 and <=999

100 <= input1 <= 999

100 <= input2 <= 999

100 <= input3 <= 999

Below are the rules for generating the PIN -

- The PIN should be made up of 4 digits
- The unit (ones) position of the PIN should be the least of the units position of the three input numbers
- The tens position of the PIN should be the least of the tens position of the three input numbers
- The hundreds position of the PIN should be the least of the hundreds position of the three input numbers
- The thousands position of the PIN should be the maximum of all the digits in the three input numbers

Example 1 -

input1 = 123

input2 = 582

input3 = 175

then, PIN = 8122

Example 2 -

input1 = 190

input2 = 267

input3 = 853

then, PIN = 9150

JAVA8 | Compiler: Java - 1.8

```java
import java.io.*;
import  java.util.*;

// Read only region start
class UserMainCode
{

    public int createPIN(int input1,int input2,int input3){
        // Read only region end
        int arr[]={input1,input2,input3};
        int max=0,min;
        double sum=0.0;
        double place=1.0;
        int num;
        for(int i=0;i<3;i++){
            num=arr[i];
            while(num!=0){
                int r=num%10;
                if(r>max)
                max=r;
                num=num/10;
            }}
        for(int i=0;i<3;i++){
            min=99;
            for(int j=0;j<3;j++){
                int rem=arr[j]%10;
                if(rem<min)
                min=rem;
                arr[j]/=10;
            }
            sum=(min+(sum/place));
            sum*=place;
            place*=10;
        }
        return(int)(max*1000+sum);
}}
```

Use Custom Input

Compile and Test | Submit Code