1. Program

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

Attempted: 1/1

JAVA8 Compiler: Java - 1.8

```
{

    public int createPIN(int input1,int input2,int input3){
        // Read only region end
        // Write code here...
    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


Mercer | mettl
sujana
LP_Practice_CreatePIN3 / Saved: 30 seconds ago
1. Program
1
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34
35
36
37
38
Use Custom In
Code Execution
0/8 - Graded Test
Corner 2
Corner 1
Necessary 2
Necessary 1
Basic 4
Basic 3
Basic 2
Basic 1
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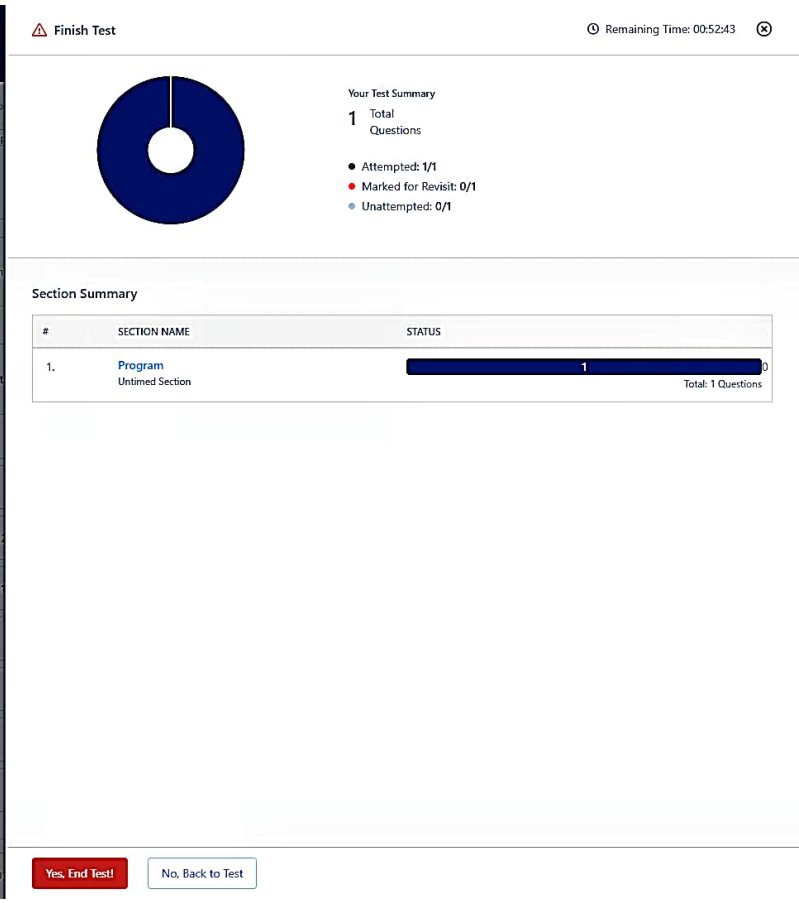
Finish Test
Remaining Time: 00:52:43
Your Test Summary
1 Total Questions
Attempted: 1/1
Marked for Revisit: 0/1
Unattempted: 0/1
Section Summary
SECTION NAME STATUS
1. Program
Untimed Section
1
Total: 1 Questions
Yes, End Test!
No, Back to Test