

**GIRI's Tech Hub, Pune**  
**Programming (Machine) Test**

Batch: Nov/Dec-23/Jan/April-24

Date: 28-06-2024  
Timing: 08:00 to 9:20 am

**Instructions:**

1. Solve all
2. Input should be from user
3. Indentation and comments mandatory

**Program 1.** Create a class name as ArrOp in with a parameterized constructor and a functions  
ArrOp(int[]) – to accept string from user  
void FindSecSmall(int k) – to find the kth smallest number

Ex: given array : 23 56 11 45 67  
K=2

Output : 23 is 2<sup>nd</sup> smallest number

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**Program 2.** Write a program to create the class name as Reverse with a two methods setValue(int) and boolean checkPerfectNumber()  
first method name as setValue(int) can set the number and checkPerfectNumber() to return true if number is perfect and return false if given number is not perfect

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**Program 3.** Create a class name as ArrOp1 in with a parameterized constructor and a functions  
ArrOp1(int[]) – to accept string from user  
void FindRev() – to reverse each element of array

Ex: Given array : 243 78 19 372 89  
Output: 342 87 91 273 98

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**Program 4.** Write a program to Create The class name as Parent with a method name as void setValue(int []) and create a child class name as FindFloorCeil with a method name as void find() to find the ceiling and Floor of each element in given array.

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-----ALL THE BEST-----