

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

Batch: Aug-2024

Date: 16/11/2024  
Time: 10:00 to 12:00 Pm

**Instructions:**

**Total:- 10 Marks**

1. Solve any five questions.
2. Input should be from user.
3. Indentation and comments mandatory.
4. Each program 2 Marks with Comments.

**Q1. Write a java program to display following pattern :**

```
1  2  3  4  5
10 9  8  7  6
11 12 13 14 15
20 19 18 17 16
21 22 23 24 25
```

**Q2. Write a program to swap first two digit & last two digit of a number.**

**Q3. Write a java program to calculate the sum of 1 to nth strong number using function.**

**Q4. Write a java program to pass the array function name as findOccurence( ), then find occurrence of each element in array using function recursion.**

**Q5. Write a java program to create a class name as StringApp to accept charchater array and implement the logic.**

Input : - Indian  
Search Value : - d  
Output : - n i

**Q6. WAP to Create a class name as Majority with a function name as setArray() and one function int getMajority( ).**

```
void setArray(int [ ])
{
// this function can accept the array.
}
```

```
boolean getMajority()
```

```
{
```

```
//this function can use if it's yes then return true otherwise return false.
```

```
}
```

**Q7. Write a java program to create class name as PerfromArray with function name as setArray() & one more function int getPrime().**

```
void setArray(int [ ])
```

```
{
```

```
// this function can accept the array.
```

```
}
```

```
Int[] getPrime()
```

```
{
```

```
// this function can return result array.
```

```
}
```

**Input :- 5732 8659 2534 9625 7354.**

**( Store only prime number at that index )**

**Output : - 2357 5 235 25 357.**

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

