DAILY ONLINE ACTIVITIES SUMMARY

Date:	**30-05-2020**	**Name:**	**Anvitha Poojary**
Sem & Sec	**6A**	**USN:**	**4AL17CS008**

Online Test Summary

Subject	**PAP**		
Max. Marks	**30**	**Score**	**8**

Certification Course Summary

Course	**Python for data science**		
Certificate Provider	**COGNITIVE CLASS .ai**	**Duration**	**5hr**

Coding Challenges

Problem Statement:

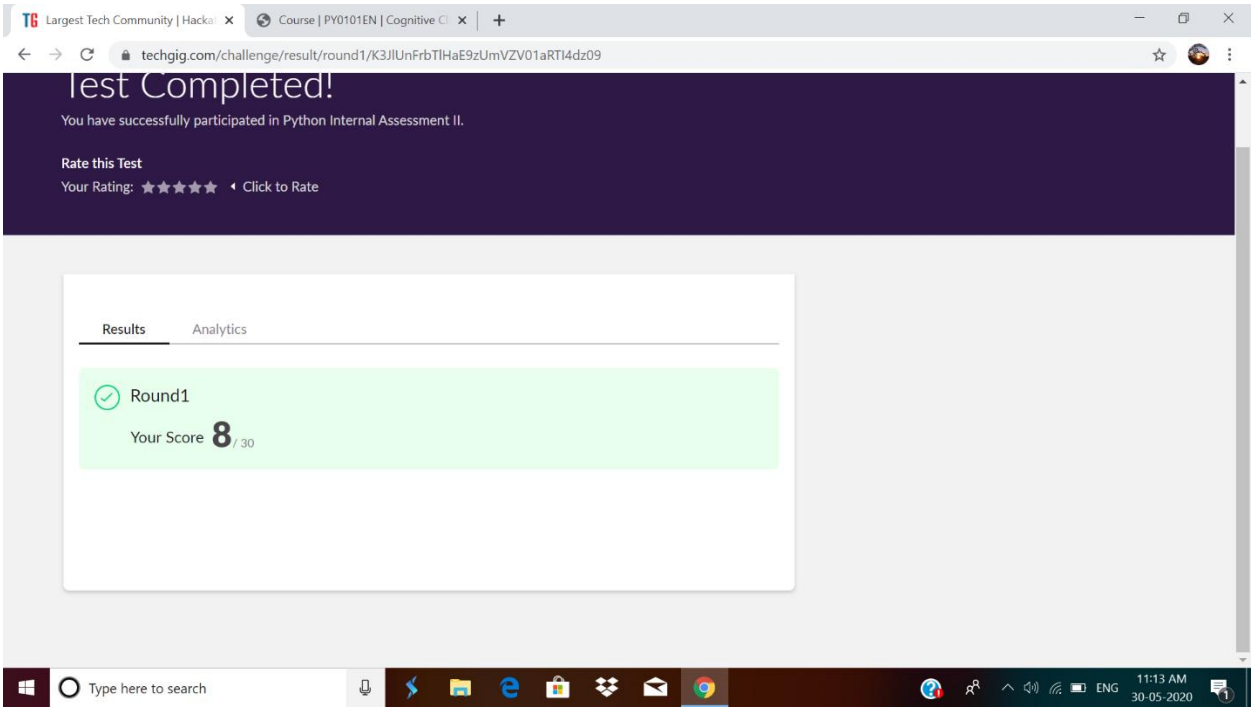
1. Python program to read a number and print the pattern
2. write a java program to Count number of trailing zeros in product of array

Status: completed

Uploaded the report in Github	**Yes**
If yes Repository name	https://github.com/anvithapo99/Daily-Report
Uploaded the report in slack	**Yes**

Online test details:

Subject: OR

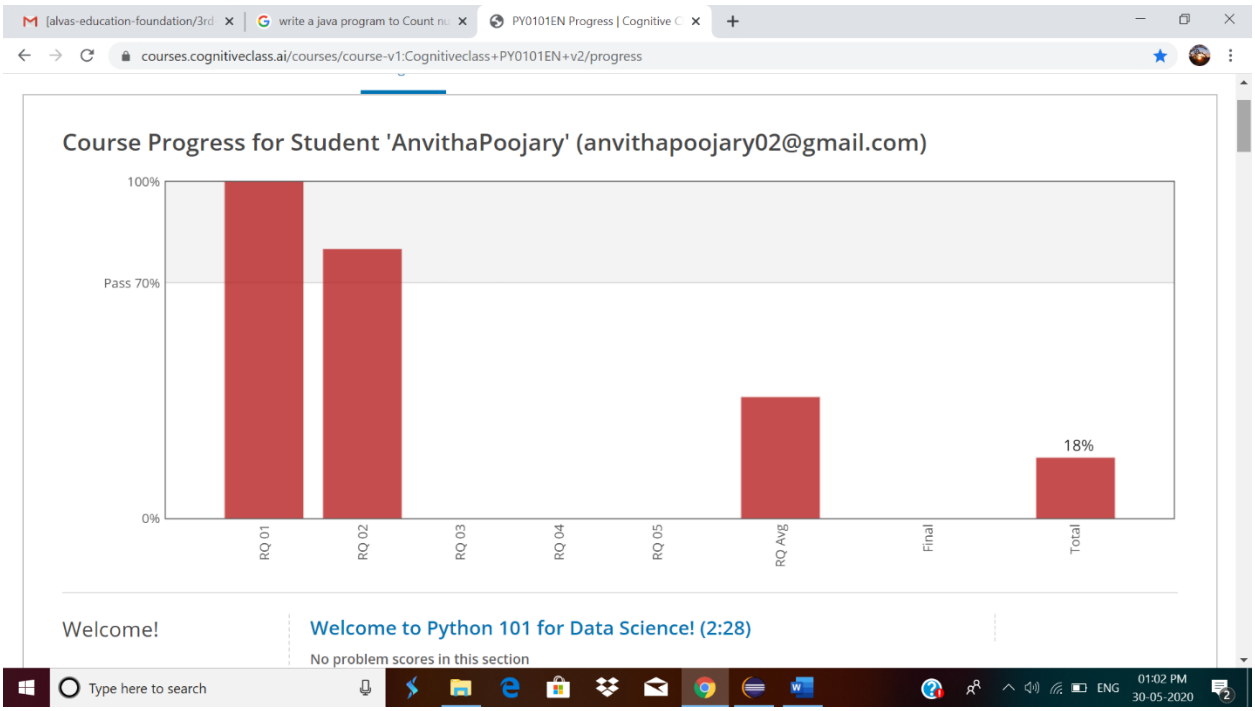


Certification course details:

Python for data science

Today I have studied following topics:

- List
- Tuples
- Dictionary
- Set

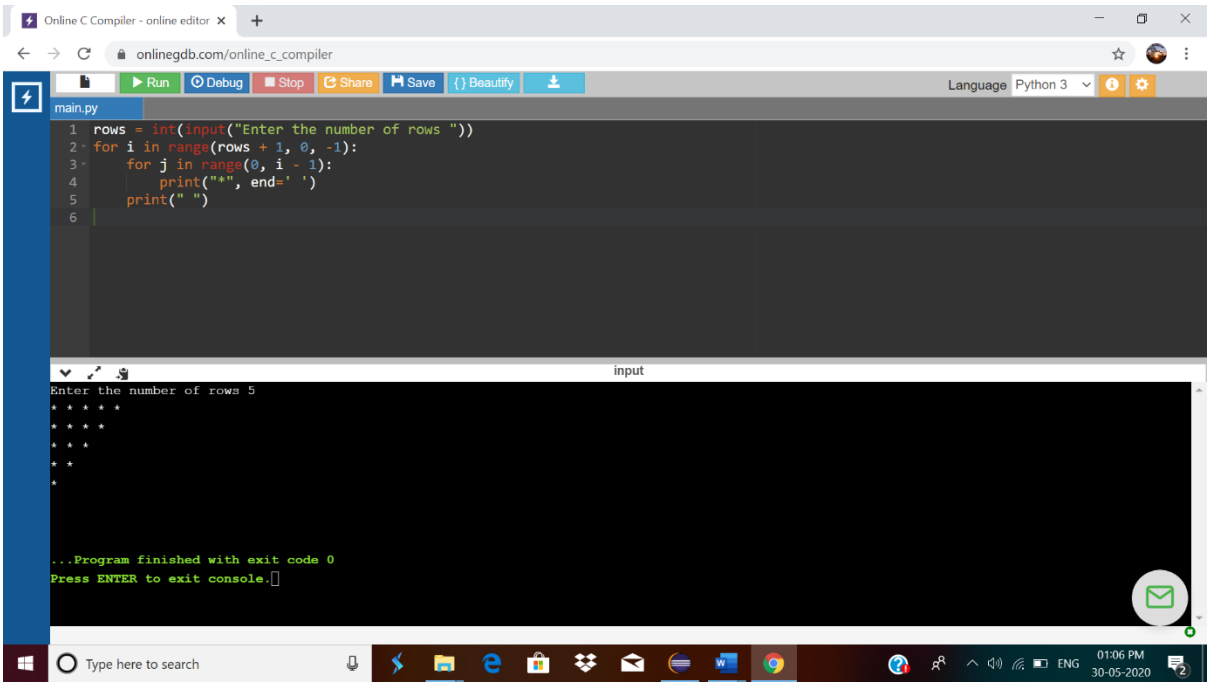


Coding Challenges Details:

1. Python program to read a number and print the pattern

```
rows = int(input("Enter the number of rows "))
for i in range(rows + 1, 0, -1):
    for j in range(0, i - 1):
        print("*", end=' ')
    print(" ")
```

output:



2. write a java program to Count number of trailing zeros in product of array

A simple solution is simply multiply and count trailing 0s in product. This solution may cause integer overflow. A better solution is based on the fact that zeros are formed by a combination of 2 and 5. Hence the number of zeros will depend on the number of pairs of 2's and 5's that can be formed.
Ex.: 8 * 3 * 5 * 23 * 17 * 25 * 4 * 11
23 * 31 * 51 * 231 * 171 * 52 * 22 * 111
In this example there are 5 twos and 3 fives. Hence, we shall be able to form only 3 pairs of (2*5). Hence will be 3 Zeros in the product.

```
import java.util.*;

import java.lang.*;

 public class Main

{

 public static int countZeroso(int[] a, int n)

   {

      int count2 = 0, count5 = 0;

      for (int i = 0; i < n; i++)
```

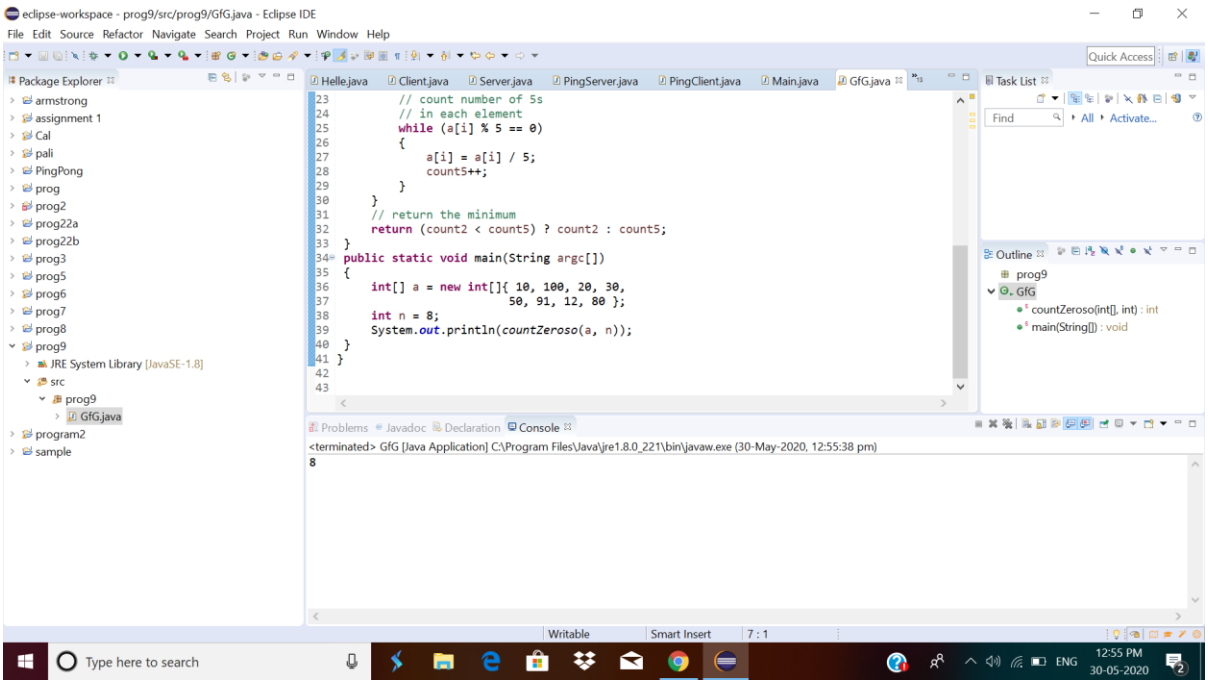
```
    {
        while (a[i] % 2 == 0)
        {
            a[i] = a[i] / 2;
            count2++;
        }
     while (a[i] % 5 == 0)
        {
            a[i] = a[i] / 5;
            count5++;
        }
    }

    return (count2 < count5) ? count2 : count5;
}

public static void main(String argc[])
{
    int[] a = new int[]{ 10, 100, 20, 30,
                         50, 91, 12, 80 };
    int n = 8;
    System.out.println(countZeroso(a, n));
}
```

}

Output:


eclipse-workspace - prog9/src/prog9/GfG.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Package Explorer
armstrong
assignment 1
Cal
pali
PingPong
prog
prog2
prog22a
prog22b
prog3
prog5
prog6
prog7
prog8
prog9
JRE System Library [JavaSE-1.8]
src
prog9
GfG.java
program2
sample
Helle.java
Client.java
Server.java
PingServer.java
PingClient.java
Main.java
GfG.java
// count number of 5s
// in each element
while (a[i] % 5 == 0)
{
a[i] = a[i] / 5;
count5++;
}
}
// return the minimum
return (count2 < count5) ? count2 : count5;
}
public static void main(String argc[])
{
int[] a = new int[]{ 10, 100, 20, 30,
50, 91, 12, 80 };
int n = 8;
System.out.println(countZeroso(a, n));
}
}
Task List
Find
All
Activate...
Outline
prog9
GfG
countZeroso(int[], int) : int
main(String[]) : void
Problems
Javadoc
Declaration
Console
<terminated> GfG [Java Application] C:\Program Files\Java\jre1.8.0_221\bin\javaw.exe (30-May-2020, 12:55:38 pm)
8
Writable
Smart Insert
7 : 1
Type here to search
ENG
12:55 PM
30-05-2020