DAILY ONLINE ACTIVITIES SUMMARY

Date:	**08/06/2020**	**Name:**	**Vignesha M. Shetty**
Sem & Sec	**8th,B**	**USN:**	**4AAL16CS124**

Online Test Summary

Subject	**System Modeling and Simulation**		
Max. Marks	**60**	**Score**	**54**

Certification Course Summary

Course	**Python 101 for Data Science**		
Certificate Provider	**IBM Cognitive Classes**	**Duration**	**3 hours**

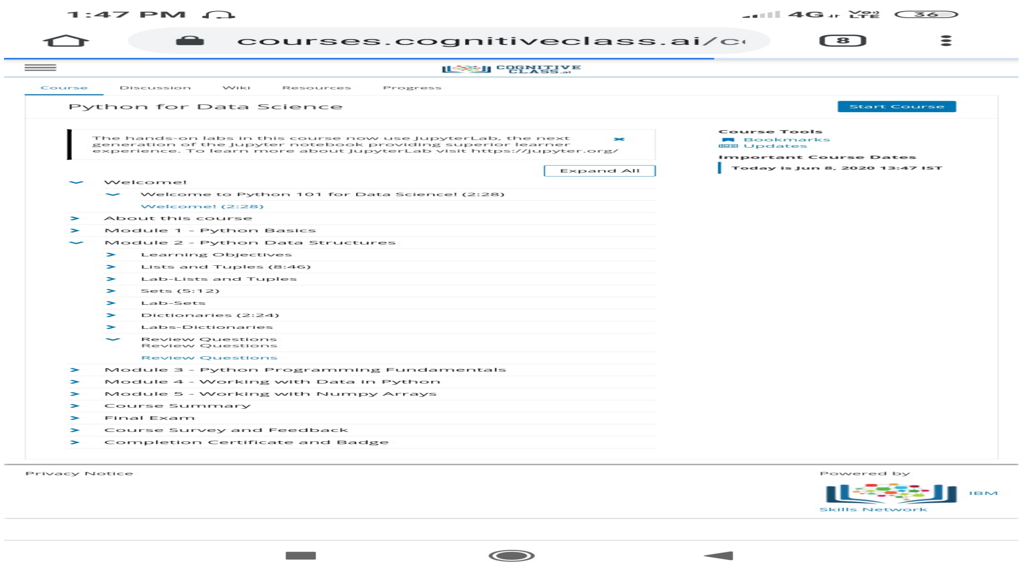
Coding Challenges

Problem Statement: 1. Partitioning the Integer algorithm

Status: Solved

Uploaded the report in Github	**yes**
If yes Repository name	**College repository:** https://github.com/alvas-education-foundation/vigneshshetty **Own repositories are:** **vigneshshetty/vignesh124** **vigneshshetty/Online_Certifications** **vigneshshetty/online_coding** **vigneshshetty/Daily_progress_report**
Uploaded the report in slack	**yes**

Certification Course Details: (Attach the snapshot and briefly write the report for the same)



1:47 PM

courses.cognitiveclass.ai/c

Course Discussion Wiki Resources Progress

Python for Data Science

Start Course

The hands-on labs in this course now use JupyterLab, the next generation of the Jupyter notebook providing superior learner experience. To learn more about JupyterLab visit https://jupyter.org/

Expand All

- Welcome!
  - Welcome to Python 101 for Data Science! (2:28)
    - Welcome! (2:28)
- About this course
- Module 1 - Python Basics
- Module 2 - Python Data Structures
  - Learning Objectives
  - Lists and Tuples (8:46)
  - Lab-Lists and Tuples
  - Sets (5:12)
  - Lab-Sets
  - Dictionaries (2:24)
  - Labs-Dictionaries
  - Review Questions
    - Review Questions
    - Review Questions
- Module 3 - Python Programming Fundamentals
- Module 4 - Working with Data in Python
- Module 5 - Working with Numpy Arrays
- Course Summary
- Final Exam
- Course Survey and Feedback
- Completion Certificate and Badge

Course Tools

Bookmarks

Updates

Important Course Dates

Today is Jun 8, 2020 13:47 IST

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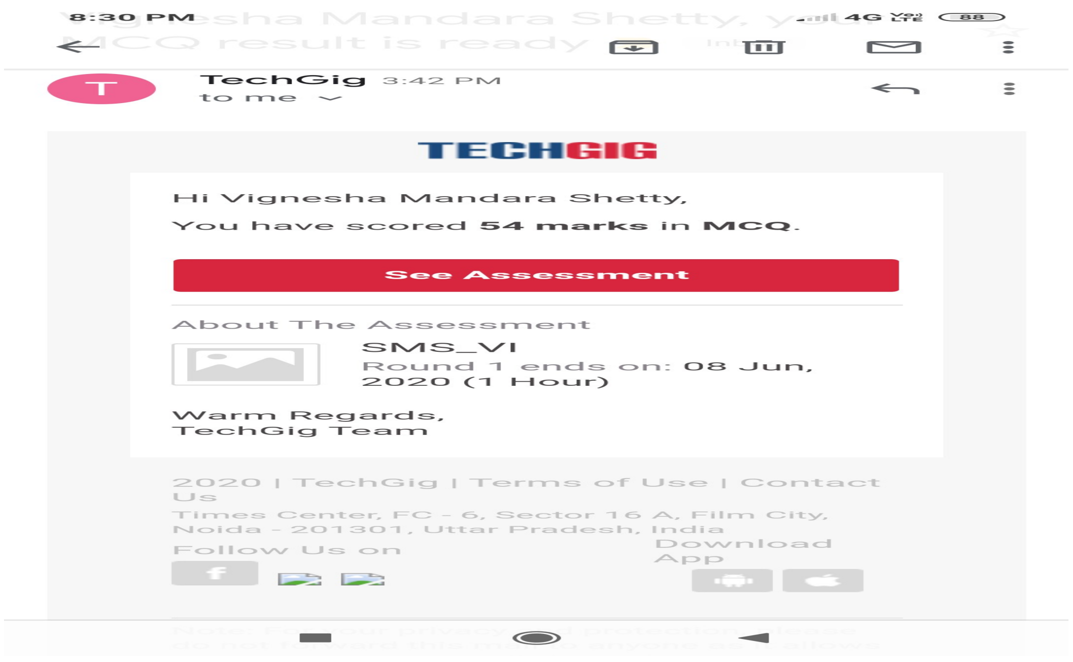
Online Test Details: (Attach the snapshot and briefly write the report for the same



8:30 PM

TechGig 3:42 PM

to me

TECHGIG

Hi Vignesha Mandara Shetty,

You have scored **54 marks** in **MCQ**.

See Assessment

About The Assessment

SMS_VI

Round 1 ends on: 08 Jun, 2020 (1 Hour)

Warm Regards,
TechGig Team

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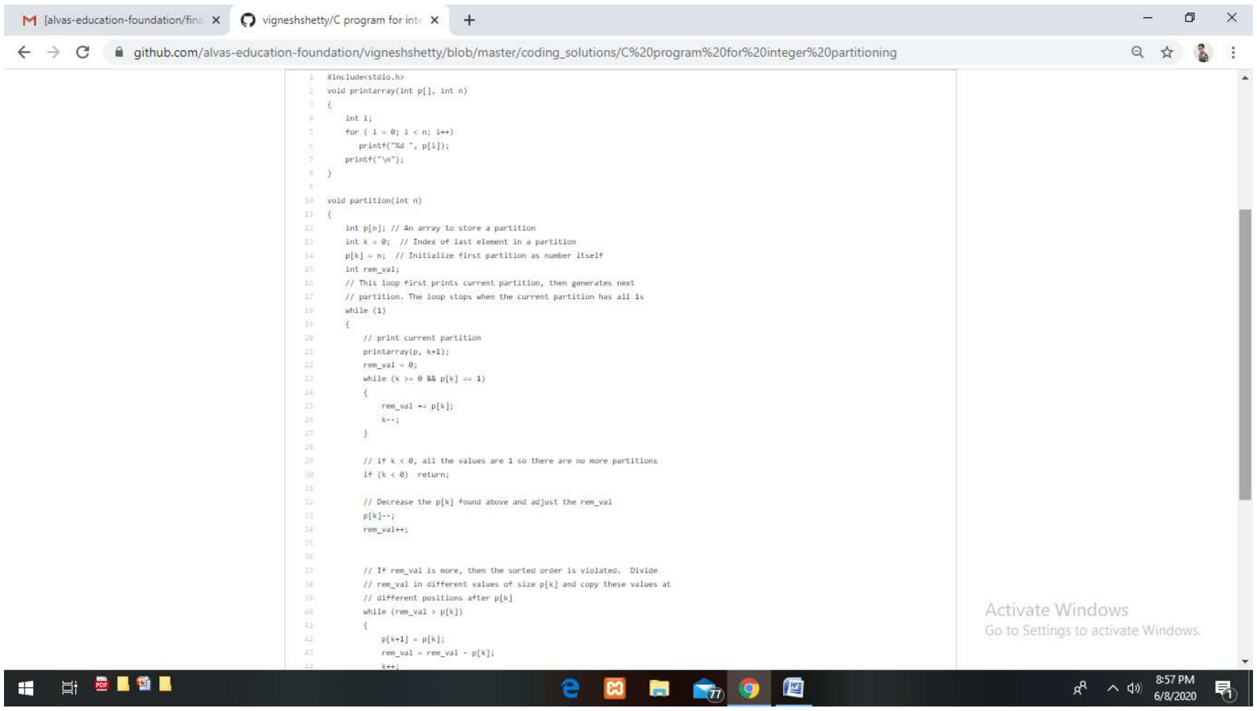
Dump Truck Problem

OnlineCoding Details: (Attach the snapshot and briefly write the report for the same)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vigneshshetty/C program for inte
github.com/alvas-education-foundation/vigneshshetty/blob/master/coding_solutions/C%20program%20for%20integer%20partitioning
Activate Windows
Go to Settings to activate Windows.
8:57 PM
6/8/2020

```c
#include<stdio.h>
void printarray(int p[], int n)
{
    int i;
    for ( i = 0; i < n; i++)
       printf("%d ", p[i]);
    printf("\n");
}

void partition(int n)
{
    int p[n]; // An array to store a partition
    int k = 0;  // Index of last element in a partition
    p[k] = n;  // Initialize first partition as number itself
    int rem_val;
    // This loop first prints current partition, then generates next
    // partition. The loop stops when the current partition has all 1s
    while (1)
    {
        // print current partition
        printarray(p, k+1);
        rem_val = 0;
        while (k >= 0 && p[k] == 1)
        {
            rem_val += p[k];
            k--;
        }

        // if k < 0, all the values are 1 so there are no more partitions
        if (k < 0)  return;

        // Decrease the p[k] found above and adjust the rem_val
        p[k]--;
        rem_val++;


        // If rem_val is more, then the sorted order is violated.  Divide
        // rem_val in different values of size p[k] and copy these values at
        // different positions after p[k]
        while (rem_val > p[k])
        {
            p[k+1] = p[k];
            rem_val = rem_val - p[k];
            k++;
```