

DAILY ONLINE ACTIVITIES SUMMARY

Date:	26/05/2020	Name:	Chethana j
Sem & Sec	6 th A	USN:	4al17cs022
Online Test Summary			
Subject	CGV IA 2		
Max. Marks	30	Score	22
Certification Course Summary			
Course	Machine Learning Foundation		
Certificate Provider	Great Learning	Duration	6 hrs.
Coding Challenges			
Problem Statement: 1. Python Program to Count the Number of Digits in a Number. 2. Python Program to Check if a Number is a Palindrome.			
Status: Completed			
Uploaded the report in Github		yes	
If yes Repository name		https://github.com/Jchethana1990/online-course	
Uploaded the report in slack		yes	

Online Test Details:

techgig.com/challenge/result/mcq/dUlhWjJaZGVLNVdMQINuSDUrMjNIUT09

chethanajgowda@gmail.com Logout

Test Completed!

You have successfully participated in Computer Graphics and Visualization Test-2.

Rate this Test
Your Rating: ★★★★★ Click to Rate

Results Analytics

MCQ

Your Score **22** / 30

Type here to search

ENG 09:59
INTL 26-05-2020

Certification Course Details:

Topics I covered:

Line concept-3

Line plane and hyperplane-3

Machine Learning Foundations

olympus.greatlearning.in/courses/10902

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CONTENT ASSESSMENTS

Machine Learning Overview

- Machine Learning Foundation Outline

Course Overview

- Course Overview
- Know your faculty

Math Basics for Machine Learning

Math Basics- Linear Algebra

How much of maths is required for data science-3	2m	✓
Line Concept-3	18m	✓
Lines, Planes and Hyperplanes-3	18m	✓

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ENG 11:33
INTL 26-05-2020

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Machine Learning Overview

Course Overview

Math Basics for Machine Learning

- How much of maths is required for data science-3
- Line Concept-3
- Lines, Planes and Hyperplanes-3
- Vector algebra_Magnitude and direction-3
- Vector algebra_Vector Operations-3
- Vector lab exercises-3
- Matrices-3
- Basic_Algebra.ipynb
- Introduction to Functions-2

Vector algebra_Magnitude and direction-3

Vector magnitude = U

$\cos(\theta) = \frac{U_1}{\|U\|}$

$\cos(\alpha) = \frac{U_2}{\|U\|}$

$U_2 = 3$

$\vec{A} = (4, 3)$

$\omega = \left(\frac{U_1}{\|U\|}, \frac{U_2}{\|U\|} \right)$

direction vector

How would you rate this video

Previous Next

Coding Challenges Details:

Program1: . Python Program to Count the Number of Digits in a Number.

onlinegdb.com/online_python_compiler

OnlineGDB beta

online compiler and debugger for c/c++

code, compile, run, debug, share.

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main.py

```

1 Number = int(input("Please Enter any Number: "))
2 Count = 0
3 while(Number > 0):
4     Number = Number // 10
5     Count = Count + 1
6 print("\n Number of Digits in a Given Number = %d" %Count)

```

input

Please Enter any Number: 232

Number of Digits in a Given Number = 3

...Program finished with exit code 0

Press ENTER to exit console.

Program2: Python Program to Check if a Number is a Palindrome

The screenshot shows the OnlineGDB Python compiler interface. The code in the editor is as follows:

```
1 num = input('Enter any number : ')\n2 try:\n3     val = int(num)\n4     if num == str(num)[::-1]:\n5         print('The given number is PALINDROME')\n6     else:\n7         print('The given number is NOT a palindrome')\n8 except ValueError:\n9     print("That's not a valid number, Try Again !")
```

The console output shows the program execution for the input '121':

```
Enter any number : 121\nThe given number is PALINDROME\n...Program finished with exit code 0\nPress ENTER to exit console.
```

The screenshot shows the OnlineGDB Python compiler interface with the same code as the first screenshot. The console output shows the program execution for the input '234':

```
Enter any number : 234\nThe given number is NOT a palindrome\n...Program finished with exit code 0\nPress ENTER to exit console.
```

