

DAILY ASSESSMENT FORMAT

Date:	22/05/2020	Name:	V K MOKSHA
Course:	TCS ion	USN:	4AL16EC086
Topic:	Understand artificial intelligence Part-1 and Part-2 Assessment	Semester & Section:	8 B
Github Repository:	Moksha-V-K		

FORENOON SESSION DETAILS

Image of session:

The screenshot displays the TCS iON Digital Learning interface. The top navigation bar includes the TCS iON logo, 'Digital Learning Empowering Learning Outcomes', and a user profile 'Nayana'. The main content area is titled 'Career Edge - Knockdown the Lockdown : Batch 01'. A sidebar on the left shows a 'TABLE OF CONTENTS' with items like 'Foundational Skills in IT', 'DAY 13: Understand Artificial Intelligence (AI) - Part 1', 'Lesson - Understand Artificial Intelligence (AI) - Part 1', 'DAY 14: Understand Artificial Intelligence (AI) - Part 2', 'Lesson - Understand Artificial Intelligence (AI) - Part 2', 'DAY 15: Assessment', 'Final Assessment', and 'Feedback'. The main content area shows a video player titled 'What is AI?' with a list of bullet points: 'Artificial Intelligence', 'is concerned with the design of intelligence in an artificial device.', and 'Term coined by McCarthy in 1956'. Below the video player is a comment section with 227 comments, showing a recent comment from 'ChinthaKayala' saying 'Thanks a lot for tcs team, for providing this.' The bottom of the screenshot shows a Windows taskbar with various application icons and a system clock indicating 6:50 PM on 5/21/2020.

Inbox (1,529) - nayanaksr@gmail x TCS ION Digital Learning Hub x Digital Learning - Career Edg x +

g41.tcsion.com/LX/contents/content_home?content_player=true&org_id=1016&TargetOrgId=3876&usrorgid=1016&LaunchFrom=iHUB&User-Agent=Computer&c...

TCS ION Digital Learning Empowering Learning Outcomes

Nayana

TABLE OF CONTENTS Career Edge - Knockdown the Lockdown : Batch 01 92.86%

- DAY 12: Gain Foundational Skills in IT
- DAY 13: Understand Artificial Intelligence (AI) - Part 1
 - Lesson - Understand Artificial Intelligence (AI) - Part 1
- DAY 14: Understand Artificial Intelligence (AI) - Part 2
 - Lesson - Understand Artificial Intelligence (AI) - Part 2
- DAY 15: Assessment
- Final Assessment
- Feedback

Sub Unit- Lesson - Understand Artificial Intelligence (AI)...

Mark As Read

Experiencing Buffering Issues? Switch to Basic [HTML Player](#)

Comment

207 Comment(s) Recent Comments

sharique
not up to the mark, many things didn't understand she just read the topics not explaining
about 2 hours ago 0 Vote-Up 0 Vote-Down 0 Replies

Activate Windows
Go to Settings to activate Windows.

Search the web and Windows

6:54 PM 5/21/2021

Total Marks	Pass Marks	Attempts Taken	Duration	Start Time	View Assessment	Already cleared
30.0	18.0	02	30 Mins	19 May 2020 12:00 AM TO 18 Jul 2020 12:00 AM	Analysis At the End of Assessment	assessment.

My Attempts

Attempted On	Attempted Duration (Submission Time)	Marks Obtained	Status	Action
22 May 2020 10:31 AM	0:15:58 Hrs(10:47 AM)	18.0/30.0	Pass	-

CERTIFICATE:

51658_4_7862934.pdf

file:///C:/Users/moksha/Downloads/51658_4_7862934.pdf

TCS iON Digital Learning Hub
Learn, Share, Collaborate


TATA CONSULTANCY SERVICES

This is to certify that
V K Moksha
has successfully completed
Career Edge - Knockdown the Lockdown
online course offered by TCS iON

Start Date: 19 May 2020 | End Date: 22 May 2020

Topics:

- Communication Skills ■ Presentation Skills ■ Soft Skills ■ Career Guidance Framework ■ Resume Writing
- Group Discussion Skills ■ Interview Skills ■ Business Etiquette ■ Effective Email Writing ■ Telephone Etiquette
- Accounting Fundamentals ■ IT Foundational Skills ■ Overview of Artificial Intelligence* (Source: NPTEL)

 **CERTIFIED**
Cert. ID.: 4-7862934-1016
Dated: 22 May 2020

Mehul Mehta
Mehul Mehta
Global Delivery Head, TCS iON

Type here to search

19:07
22-05-2020

Report

Session 1

Understand artificial intelligence Part-1

Artificial intelligence (AI) refers to the simulation of human intelligence in machines that are programmed to think like humans and mimic their actions. The term may also be applied to any machine that exhibits traits associated with a human mind such as learning and problem-solving.

As machines become increasingly capable, tasks considered to require "intelligence" are often removed from the definition of AI, a phenomenon known as the AI effect. A quip in Tesler's Theorem says "AI is whatever hasn't been done yet." For instance, optical character recognition is frequently excluded from things considered to be AI, having become a routine technology.

Modern machine capabilities generally classified as AI include successfully understanding human speech, competing at the highest level in strategic game systems (such as chess and Go), autonomously operating cars, intelligent routing in content delivery networks, and military simulations.

The traditional problems (or goals) of AI research include reasoning, knowledge representation, planning, learning, natural language processing, perception and the ability to move and manipulate objects. General intelligence is among the field's long-

term goals. Approaches include statistical methods, computational intelligence, and traditional symbolic AI.

Many tools are used in AI, including versions of search and mathematical optimization, artificial neural networks, and methods based on statistics, probability and economics. The AI field draws upon computer science, information engineering, mathematics, psychology, linguistics, philosophy, and many other fields.

Session 2

Understand artificial intelligence Part 2

The field was founded on the assumption that human intelligence "can be so precisely described that a machine can be made to simulate it". This raises philosophical arguments about the nature of the mind and the ethics of creating artificial beings endowed with human-like intelligence. These issues have been explored by myth, fiction and philosophy since antiquity. Some people also consider AI to be a danger to humanity if it progresses unabated. Others believe that AI, unlike previous technological revolutions, will create a risk of mass unemployment.

In the twenty-first century, AI techniques have experienced a resurgence following concurrent advances in computer power, large amounts of data, and theoretical understanding; and AI techniques have become an essential part of the technology industry, helping to solve many challenging problems in computer science, software engineering and operations research.

Date: 22/5/2020
Course: Python
Topic: Creating web maps using python and folium

Name: V K MOKSHA
USN: 4al16ec086
Semester & Section: 8 B

AFTERNOON SESSION DETAILS

The Python Mega Course: Build 10 Real World Applications

Overview Q&A Bookmarks Announcements

About this course

A complete Python course for both beginners and intermediates! Master Python 3 by making 10 amazing Python apps.

Course content

- 141. Layer Control Panel 6min
- Section 18: Fixing Programming Errors 0 / 6 | 39min
- Section 19: Application 3: Build a Website Blocker 0 / 10 | 1hr 20min
- Section 20: Application 4: Build a Personal Website with Python and ... 0 / 12 | 1hr 6min
- Section 21: Graphical User Interfaces with Tkinter 0 / 5 | 22min
- Section 23: Application 5: Build a

Hailey from Udem...

Do you need to train more than 20 employees? Set your employees up for success with Udem... Go to Settings to activate Windows.

10:53 AM 5/22/2021

The Python Mega Course: Build 10 Real World Applications

Overview Q&A Bookmarks Announcements

About this course

A complete Python course for both beginners and intermediates! Master Python 3 by making 10 amazing Python apps.

Course content

- 126. Web Map - How The Output Will Look Like 1min
- 127. The Basemap 12min
- 128. Note 1min
- 129. Adding Points 8min
- 130. Adding Multiple Points 5min
- 131. Adding Points from Files 13min
- 134. Color Points

Hailey from Udem...

Do you need to train more than 20 employees? Set your employees up for success with Udem... Go to Settings to activate Windows.

10:52 AM 5/22/2021

REPORT

Folium is a Python package built to bridge the data wrangling muscle of Python with Leaflet's easy-to-use JavaScript library for creating attractive, interactive web maps. The open source Leaflet is a highly popular web mapping tool due to its flexibility, with a healthy number of community-developed plug-ins further expanding its native capabilities.

While Python is a robust programming language, with many packages contributing to geospatial analysis—Pandas, Geo Pandas, Fiona, Shapely, Matplotlib, and Descartes to name a few—Folium differentiates itself through ease of use and the interactive potential of the final product.

After some experimentation with the library, it did not take very long to produce a functional, albeit simple, web map with clustered point data, accompanied by popup windows. However, it was obvious that there is more to explore with Folium, as it plays well with many types of geospatial data, includes built-in functions and methods for producing choropleths, temporal visualizations, and allows for the marriage of the best of Python and Leaflet.

```
#Generate map using custom Mapbox tiles
m=folium.Map(location=[df[pdlat].mean(),
df[pdlon].mean()], zoom_start=9,
tiles='https://api.mapbox.com/styles/v1/username/yourstyle/tiles/256/{z}/{x}/{y}?
access_token=pk.yourtokenhere',attr='My data attribution')
#Iterate through edited dataframe to extract coordinates and property name for each
record
for row in df.iterrows():
prop = str(row[1]['Property'])
lat = row[1][pdlat]
lon = row[1][pdlon]
#used the marker_icon argument to select from natively supported bootstrap supported
icons and added clustering affect to markers
m.simple_marker(location=[lat, lon], marker_color='red', marker_icon='flag',
clustered_marker=True, popup=prop)
```

