

Certificate in Artificial Intelligence and Machine Learning in Python

[eLearning]

```
#!/usr/bin/env python
# tag is an utility to rename files according to a set of
# Copyright 2012 calendros

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import sys
import os
import re
import argparse

import unittest

# Return a list containing tuples where key is a filename and
# a list of tags for this file.
def parse_filenames(plain_filenames):
    ret = []
    regex = re.compile('^(\w+)([^\w]+\w+)$')
    for fn_orig in plain_filenames:
        tags = []
        dirname = os.path.dirname(fn_orig)
        fn = os.path.basename(fn_orig)
        base, ext = os.path.splitext(fn)
        match = regex.search(base)
        if match is not None:
            base = match.group(1).strip()
            strtags = match.group(2).strip()
            if strtags != '':
                for tag in strtags.split(','):
                    tag = tag.strip()
                    tags.append(tag)
            tags = sorted(tags) # sort + back to a list
            base = base.strip()
            ret.append((dirname, fn), (base, tags, ext)))
    return ret

# Return a list containing tuples (filename:tag_list)
# Return filenames list of complex type filenames
def add_tag_filenames(tag):
    tag = tag.strip()
    return [(dirname, fn), (base,
        sorted(tags + [tag])), # modify is here: copy + sort + uniq(se
        ext))]

# Return a list containing tuples (filename:tag_list)
# Return filenames list of complex type filenames
def del_tag_filenames(tag):
```



EY

Building a better working world



Certificate in Artificial Intelligence and Machine Learning in Python

About the course

Artificial Intelligence (AI) and Machine Learning (ML) are increasingly becoming popular among today's organizations. The adoption of AI has entered the mainstream, but in most organizations, it remains in the early stages and is used for developing strategies and for governance. Although these technologies are still emerging, they are delivering practical benefits to help resolve real problems.

Keeping the upcoming demand in mind, EY has launched a comprehensive eLearning program on Artificial Intelligence and Machine Learning using Python. The program will help you to learn AI and ML algorithms in a step-by-step format. In this course, you will understand Python's concepts for AI, ML and related concepts like Artificial Neural Network, K Means

Theorem, Natural Language Processing, Deep Learning, Naïve Bayes Theorem, etc.

Currently Python's certification is one of the most sought after programming certifications in the world. There are more than 8.2 million developers who use Python, making it one of the most popular languages for ML and Internet-of-Things (IoT) apps. New-age and tech companies like IBM, Netflix, Google, YouTube, NASA, Amazon, Instagram and Facebook also use Python for their apps.

Course deliverables

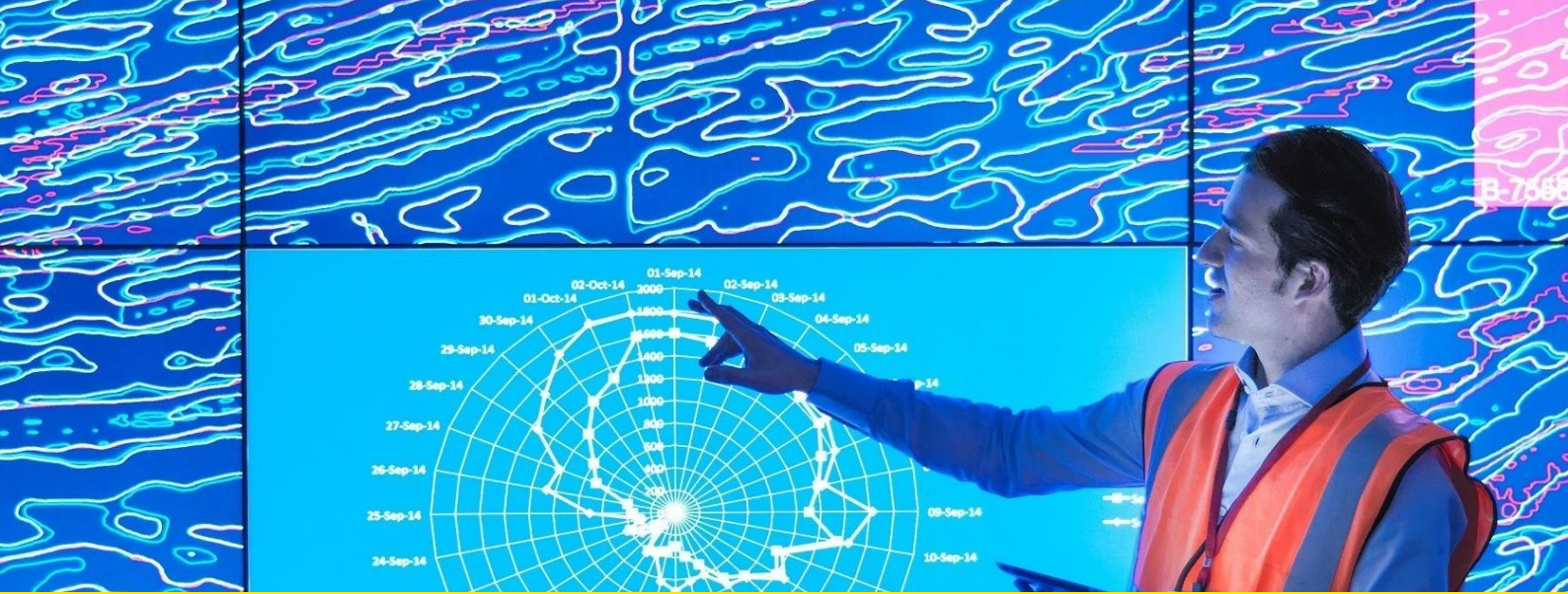
- ▶ 10+ hours of eLearning through videos
- ▶ Presentations and Publications
- ▶ Includes datasets
- ▶ Online assessment
- ▶ Certificate of Completion
- ▶ Query support through email
- ▶ Six months of LMS access

Benefits of the course

- ▶ In-depth learning of AI and ML algorithms through practical examples
- ▶ May build capability to implement tools built on AI platforms
- ▶ The course enables you to learn and acquire the required skills in Python at analytics and program development
- ▶ The course can help you create your own AI and ML solutions
- ▶ Learn from the experienced professionals and industry experts

Who should take this course?

- ▶ Working professionals who intend to build their careers in the field of analytics
- ▶ Working professionals who intend to build their careers in the field of ML and AI
- ▶ Professionals who are currently in the Big Data and data science domains
- ▶ Professionals from quality and testing team
- ▶ IT professionals in scripting and automation industry
- ▶ Entrepreneurs
- ▶ Fresh graduates and young professionals
- ▶ Mid-level managers
- ▶ Professionals working with Management Information System (MIS) and operations



Course coverage

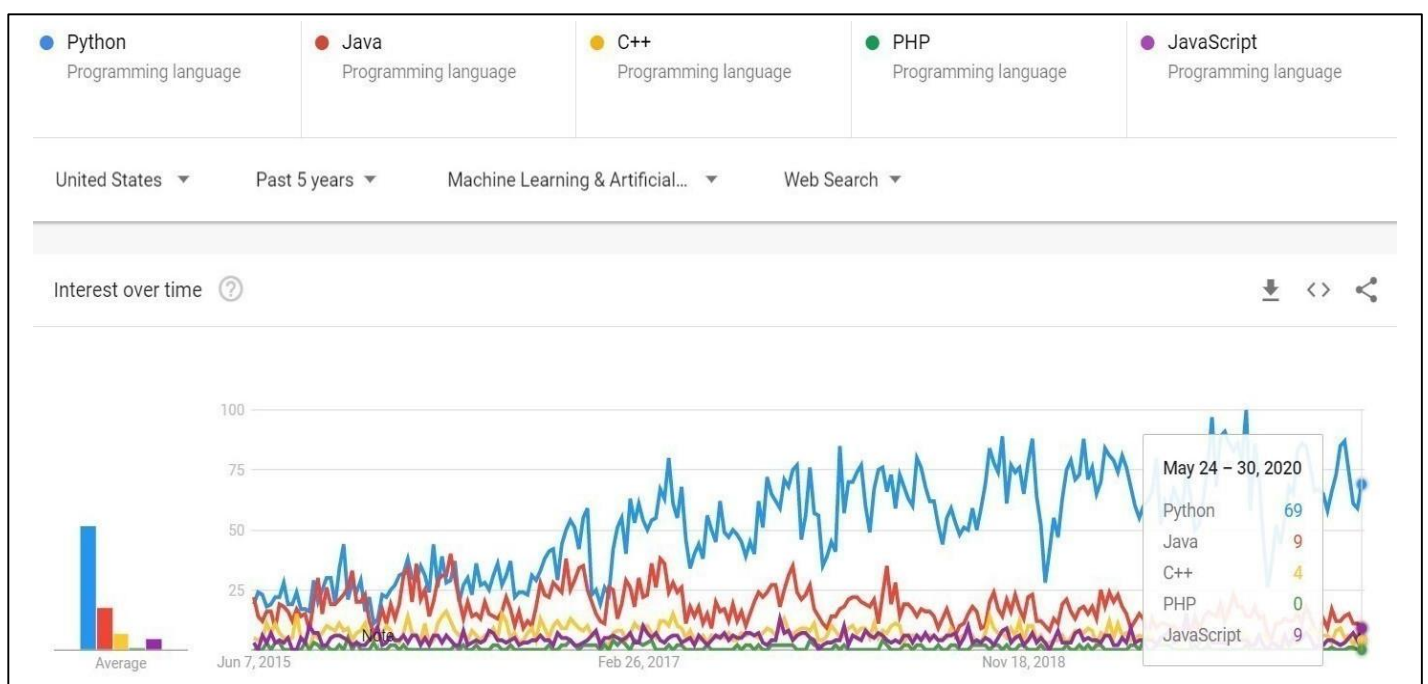
- ▶ Artificial Neural Network
- ▶ Unsupervised Learning-K means Clustering Algorithm in Machine Learning
- ▶ KNN methods
- ▶ Naïve Bayes Theorem
- ▶ Principal Component Analytics
- ▶ Random Forest for weather dataset
- ▶ Deep Learning
- ▶ Neural Networks Natural Language Processing (NLP)
- ▶ Reinforcement Learning

Assessment and Certification

EY will award “Certificate of Completion” to participants at the end of the program.

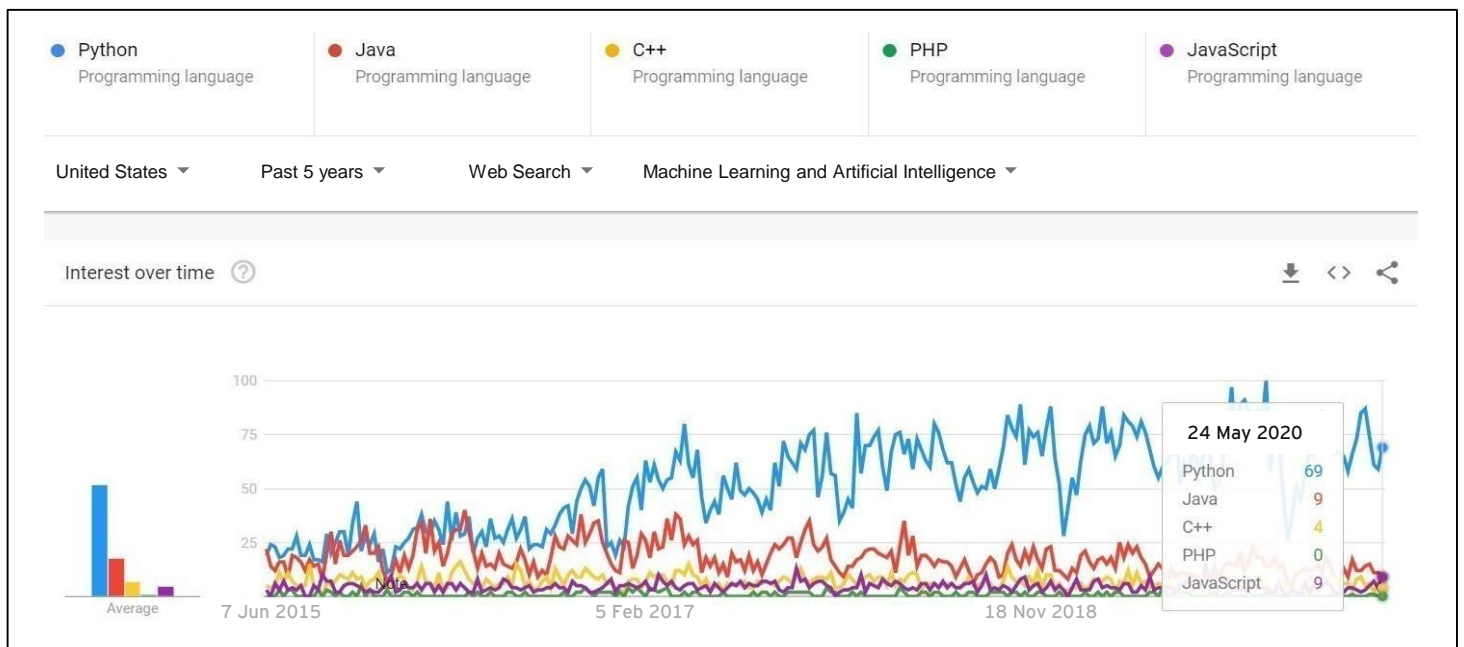
- ▶ Assessment would be based on MCQ’s
- ▶ Participant needs to achieve a minimum score of 50% to pass the exam
- ▶ All participants who meet the above criteria would be awarded a certificate of completion

Python’s popularity in last one year





Python's popularity in last five years



Source: Google trends

Course fee

INR 10,000 plus taxes

Contact

For more information, contact:

Shweta Manchanda
E: Shweta.manchanda@in.ey.com
M: + 91 98116 38456

Our other eLearning courses

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About EY Learning Solutions

In today's testing business environment, with organizational transformation and regulatory change constant features, a flexible and cost-effective workforce is critical. High-quality training is a crucial element of innovative talent management, to improve performance and ensure that your teams can respond to today's challenges and are equipped for career success.

We, at EYFAAS, realized this need and accordingly we have set up a dedicated "Learning Solution" practice to help corporate and practicing professionals to deal with new requirements. FAAS Learning Solutions supplements EY's primary range of services and provide business specific training solutions for our clients and business communities throughout India, Europe, the Middle East and Africa. This is done with the help of a multidisciplinary team of trainers from around the world. As a globally integrated firm, we bring global insight to our training programs.

All training programs are regularly updated to reflect changing trends and guidance. Our practical, relevant and stimulating courses are facilitated by highly competent trainers who have first-hand knowledge of the subject matter. We recognize that each client will have a different history, size, location and sector; therefore, programs can be tailored to specific needs of your business.

For details, contact

Furqan Warsi
Director
Email: furqan.warsi@in.ey.com

Anand Akhouri
Senior Manager
Email: anand.akhouri@in.ey.com

Our offices

Ahmedabad

22nd Floor, B Wing, Privilon,
Ambli BRT Road, Behind Iskcon
Temple, Off SG Highway,
Ahmedabad - 380 015
Tel: + 91 79 6608 3800

Bengaluru

6th, 12th & 13th floor
"UB City", Canberra Block
No.24 Vittal Mallya Road
Bengaluru - 560 001
Tel: + 91 80 6727 5000

Ground Floor, 'A' wing
Divyasree Chambers
11, O'Shaughnessy Road
Langford Gardens
Bengaluru - 560 025
Tel: + 91 80 6727 5000

Chandigarh

Elante offices, Unit No. B-613 & 614
6th Floor, Plot No- 178-178A,
Industrial & Business Park, Phase-I,
Chandigarh - 160002
Tel: + 91 172 671 7800

Chennai

Tidel Park, 6th & 7th Floor
A Block, No.4, Rajiv Gandhi Salai
Taramani, Chennai - 600 113
Tel: + 91 44 6654 8100

Delhi NCR

Golf View Corporate Tower B
Sector 42, Sector Road
Gurgaon - 122 002
Tel: + 91 124 443 4000

3rd & 6th Floor, Worldmark-1
IGI Airport Hospitality District
Aerocity, New Delhi - 110 037
Tel: + 91 11 4731 8000

4th & 5th Floor, Plot No 2B
Tower 2, Sector 126
NOIDA - 201 304
Gautam Budh Nagar, U.P.
Tel: + 91 120 671 7000

Hyderabad

THE SKYVIEW 10
18th Floor, "Zone A"
Survey No 83/1, Raidurgam
Hyderabad - 500032
Tel: + 91 40 6736 2000

Jamshedpur

1st Floor, Shantiniketan Building
Holding No. 1, SB Shop Area
Bistupur, Jamshedpur - 831 001
Tel: + 91 657 663 1000

Kochi

9th Floor, ABAD Nucleus
NH-49, Maradu PO
Kochi - 682 304
Tel: + 91 484 433 4000

Kolkata

22 Camac Street
3rd Floor, Block 'C'
Kolkata - 700 016
Tel: + 91 33 6615 3400

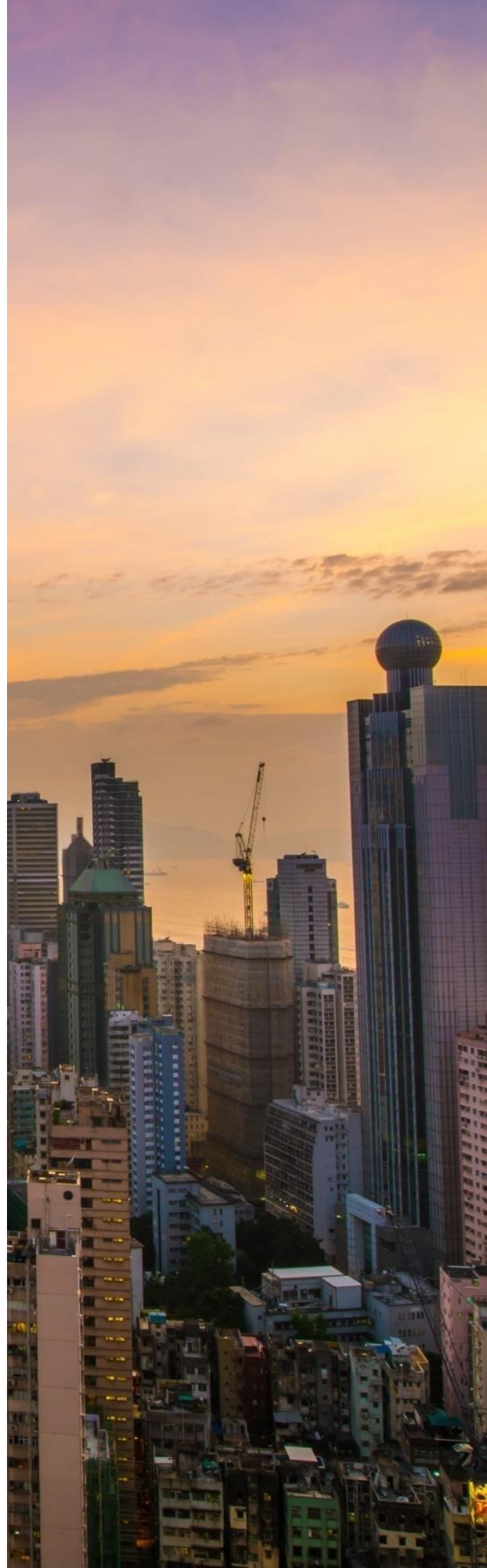
Mumbai

14th Floor, The Ruby
29 Senapati Bapat Marg
Dadar (W), Mumbai - 400 028
Tel: + 91 22 6192 0000

5th Floor, Block B-2
Nirlon Knowledge Park
Off. Western Express Highway
Goregaon (E)
Mumbai - 400 063
Tel: + 91 22 6192 0000

Pune

C-401, 4th floor
Panchshil Tech Park
Yerwada
(Near Don Bosco School)
Pune - 411 006
Tel: + 91 20 4912 6000



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