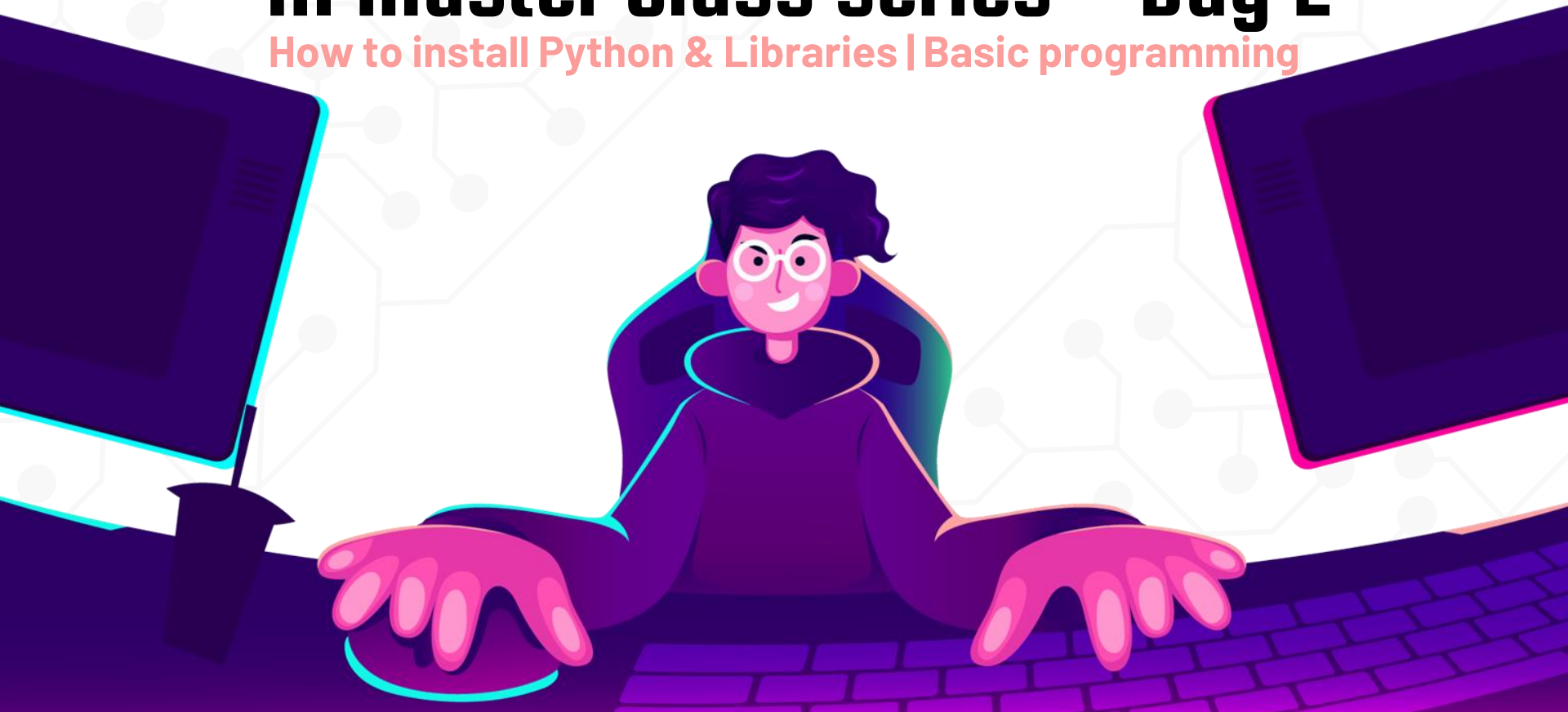




# AI Master Class series – Day 2

How to install Python & Libraries | Basic programming



# Dialogflow.

Dialogflow is a natural language understanding platform used to design and integrate a conversational user interface into mobile apps, web applications, devices, bots, interactive voice response systems, and so on.

- Small Talk
- Intents
- Entity
- Integration
- Pre built Agents



Dialogflow

# Applications of Chatbot.

- ✓ Voice Assistance
- ✓ Social Media
- ✓ Customer Support
- ✓ Helpdesk
- ✓ Medical Assistance
- ✓ Restaurant
- ✓ Transportation
- ✓ E-Commerce



# Programming Languages for AI.

- Python
- C++
- Matlab
- Java
- LISP
- Prolog
- Julia
- Haskell

**“In a way, AI is both closer and farther off than we imagine. AI is closer to being able to do more powerful things than most people expect — driving cars, curing diseases, discovering planets, understanding media. Those will each have a great impact on the world, but we're still figuring out what real intelligence is.” –**

Mark Zuckerberg



## Python & Uses.

- Python is a popular programming language. It was created by Guido van Rossum, and released in 1991.
  - Python is a programming language that lets you work more quickly and integrate your systems more effectively.
1. Web development
  2. Handle Big data
  3. Handles complex Mathematics
  4. Software development
  5. Connects to database systems



# Python IDE.

**IDLE** : Python Software foundation license

**PYCHARM**: Apache license

**SPYDER**: MIT license



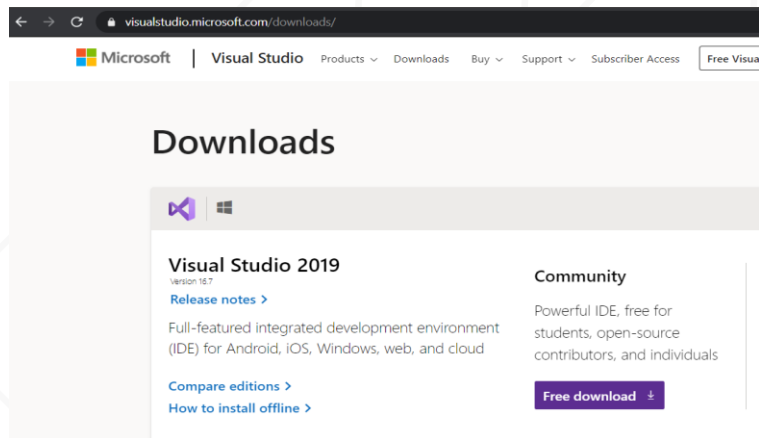
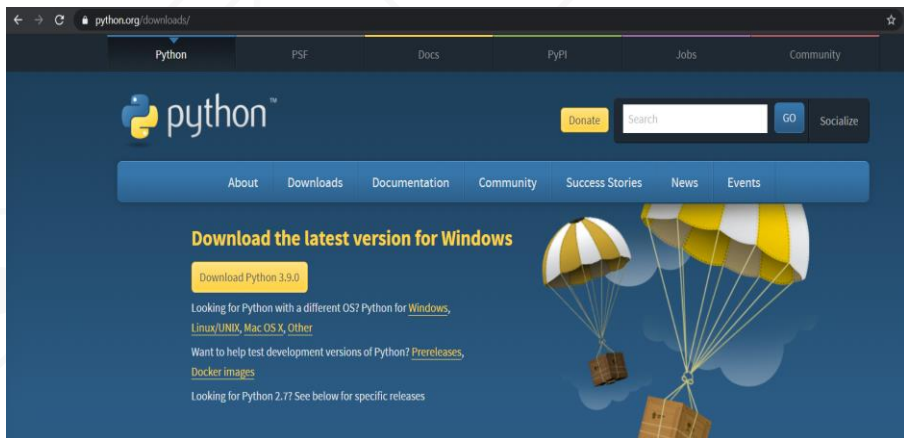
# Practical session





# Installing Python IDLE

PYTHON.ORG | MICROSOFT VISUAL STUDIO








# Setting Python in Environment Variables to access from Command window

# Installing Python Libraries





# Basic Python Programming

```
print('Hello world')
```

## Add two number.

```
a = 5.4  
b = 4.6  
sum = float(a) + float(b)  
print(sum)
```

## User Input.

```
a = input("Enter number1: ")  
b = input("Enter number2: ")  
sum = int(a) + int(b)  
print("The sum of {0} and {1} is {2}".format(a, b, sum))
```

## If & Elif.

```
a = 33
```

```
b = 33
```

```
if a > b:
```

```
    print("a is greater than b")
```

```
elif a == b:
```

```
    print("a and b are same")
```

```
else:
```

```
    print("b is greater than a")
```

## AND | OR.

```
a = 200
```

```
b = 33
```

```
c = 500
```

```
if a > b and c > a:
```

```
    print("Both conditions are True")
```

```
#if a > b or c > a:
```

```
#    print("only one is True")
```

## While.

```
i = 1
while i < 20:
    print(i)
    i += 1
```

## FOR.

```
for x in range(10):
    print(x)
```

```
for x in range(1, 10):
    print(x)
```

```
for x in range(1, 10, 2):
    print(x)
```

## **Fuction.**

```
def funName():  
    print("Hello from a function")  
  
funName()
```

## **File Handling.**

```
a = open('pantech.txt', 'r')  
  
print(a.read())  
  
a.close()
```

## Pantech's One Course Value.

- ✓ Access to 30 Days Video Lectures (Value ₹4,000)
- ✓ 15+ Projects - From Scratch (Value ₹15,000)
- ✓ 10+ Source Code (Value ₹2,000)
- ✓ Technical Materials (PPT & Mindmap)(Value ₹2,000)
- ✓ Bonus Task, Assignment(Value ₹1,000)
- ✓ Forum Telegram discussion & Support (Value ₹2,000)
- ✓ Internship E-Certificate

~~Total Value Rs 26,000~~

**Now Rs. 750**





**Shocking Bonus**

**BUY 3 COURSE at Rs.999 Only**

**Data Analytics + Artificial Intelligence + Machine Learning**

**People registered before will get link to update 3 Course combo**

## 3 Course Value

- ✓ Access to all 90 Days Video Lectures (Value ₹12,000)
- ✓ 50+ Projects - From Scratch (Value ₹75,000)
- ✓ 100+ Source Code (Value ₹10,000)
- ✓ Technical Materials (PPT & Mindmap) (Value ₹10,000)
- ✓ Bonus Task, Assignment & Mindset Lectures (Value ₹5,000)
- ✓ Forum Telegram discussion & Support (Value ₹2,000)
- ✓ 3 - Internship E-Certificate on Artificial Intelligence, Machine Learning and Data Analytics

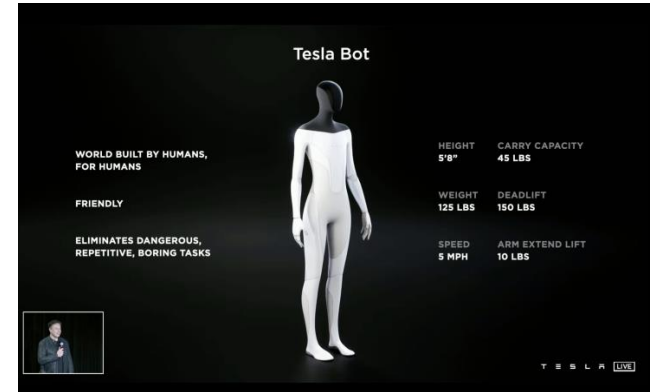
~~Total Value Rs 1,14,000~~

**Today Just Rs. 999**

# Yesterday's Short Bytes — TECH NEWS

## Elon Musk's "Tesla Bot" is Trained to Eliminate repetitive Task

"Tesla is arguably the world's biggest robotics company because our cars are semi-sentient robots on wheels, It kind of makes sense to put those in a humanoid form"



# Today's Short Bytes – Program Mind

- **Success is the progressive realization of a worthy ideal**
- **Our Past is not equal to the future**
- **If you are not filling your day with High Priority actions, Your day will be automatically filled with low priority Distractions**
- **We will plant positive thoughts & We will achieve Positive results**
- **What we are today is the sum total of our thoughts & Action which we take previously**



# Thanks!

Connect with me on **LinkedIn:**  
link in Description

Product & Project:  
[www.pantechsolutions.net](http://www.pantechsolutions.net)

Course:  
[Learn.pantechsolutions.net](http://Learn.pantechsolutions.net)

## Tomorrow session

**Introduction to Computer Vision**

**Install Computer vision Libraries**

