



# Introduction

## PYTHON PROGRAMMING COURSES

Including Python Compiler -Latvian

# What is Python

- Python is an interpreted, high-level, general-purpose programming language.
- Created by Guido van Rossum
- Python is Object-Oriented
- Python is a Beginner's Language
- Open-Source Programming Language



# What is Python Used For?

- Rapid Prototyping
- Web Scripting
- Scientific Application
- Extension Language
- XML Processing
- Database Application
- GUI Application and many more



# Features of Python Programming

- Python is Object-Oriented
- It supports Interactive Mode
- Broad Standard Library
- It supports GUI Programming
- Portable  Scalable and Extendable
- Its easy to use and easy to learn

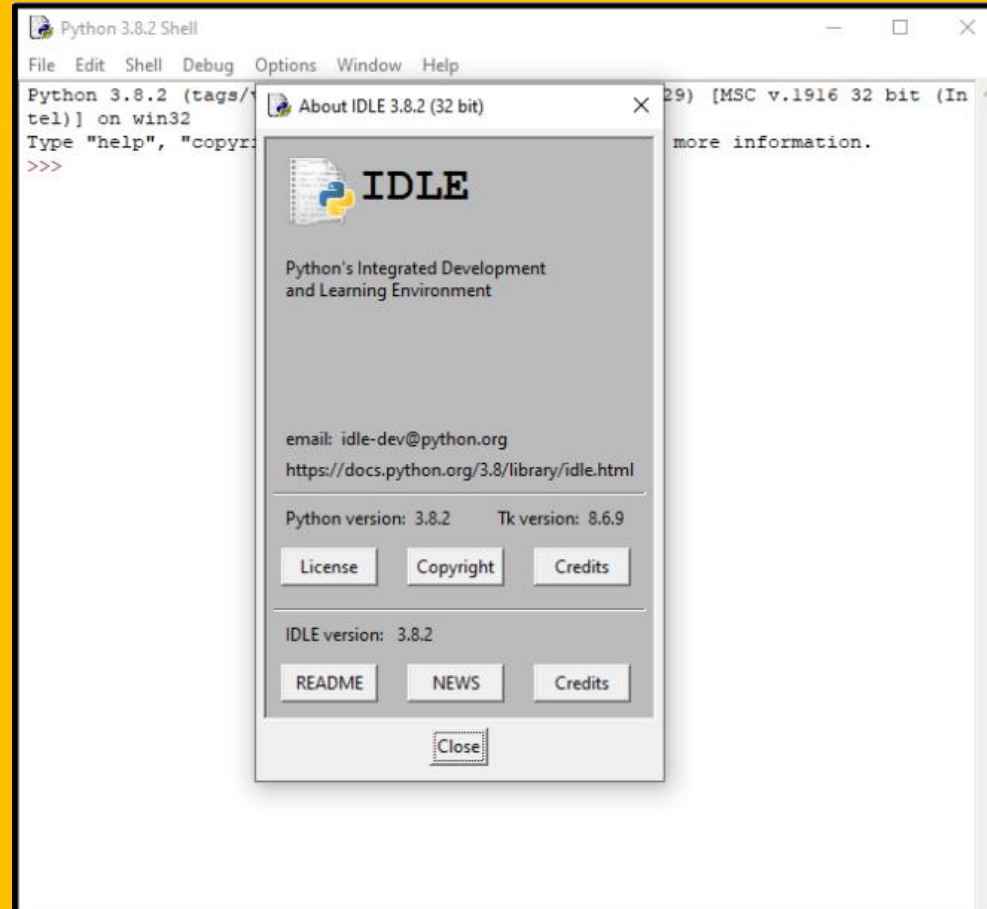


# Python Basic's

- Python programs and modules are written as text files with traditionally a .py extension
- Variable in Python need no declaration
- `>>> c=1`
- Objects always have a type



- IDLE is an Integrated Development and Learning Environment for Python



# How to Write a Program

- The python code has to be saved with a filename and .py extension.
- For Example, Let's save this file as test.py

```
Print ("Hello World")
```

```
Print ("Welcome to Studijas Learning Platform")
```

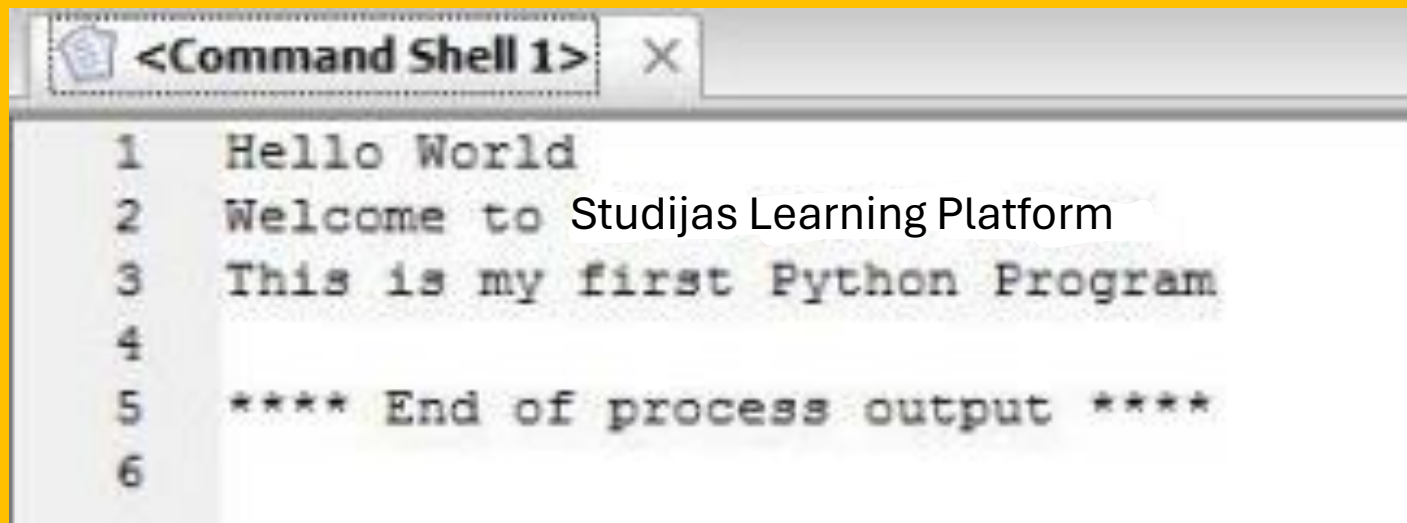
```
Print ("This is my first python Program")
```



# How to Execute a Program

- test.py file can be executed at command line by invoking the interpreter on your application.

C: > python test.py



```
<Command Shell 1> X
1 Hello World
2 Welcome to Studijas Learning Platform
3 This is my first Python Program
4
5 **** End of process output ****
6
```





# Lesson Summary

- What is Python and Python Used For?
- Features of Python
- Python IDLE
- How to Write a Program
- How to Execute a Program



Thank You

