

**RAJALAKSHMI ENGINEERING COLLEGE (Autonomous)**

**RAJALAKSHMI NAGAR, THANDALAM, CHENNAI-602105**

**DEPARTMENT OF COMPUTER SCIENCE AND  
ENGINEERING**



**RAJALAKSHMI  
ENGINEERING COLLEGE**

An AUTONOMOUS Institution  
Affiliated to ANNA UNIVERSITY, Chennai

**AI19341**

**PRINCIPLES OF ARTIFICIAL INTELLIGENCE LAB**

**THIRD YEAR**

**FIFTH SEMESTER**

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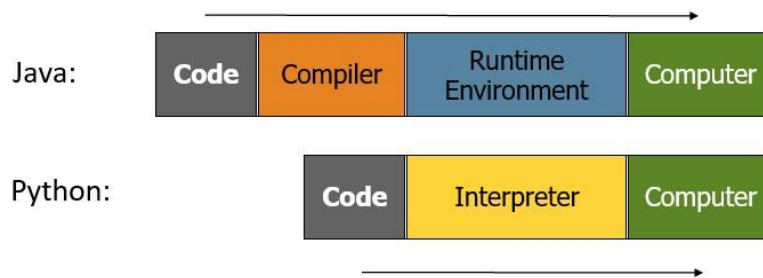
**INDEX**

S.NO	DATE	EXP NAME	VIVA MARK	SIGNATURE
1.		8QUEENS PROBLEM		
2.		DEPTH FIRST SEARCH		
3.		DEPTH FIRST SEARCH – WATER JUG PROBLEM		
4.		MINMAX ALGORITHM		
5.		A* SEARCH ALGORITHM		
6.		INTRODUCTION TO PROLOG		
7.		PROLOG FAMILY TREE		
8.		IMPLEMENTATION ARTIFICIAL NEURAL NETWORKS FOR AN APPLICATION USING PYTHON - REGRESSION		
9.		IMPLEMENTATION OF DECISION TREE CLASSIFICATION TECHNIQUES		
10.		IMPLEMENTATION OF CLUSTERING TECHNIQUES K - MEANS		

## Working Tools and Language

### PYTHON LANGUAGE

- Interpreter Languages
- Interpreted
- Not compiled like Java
- Code is written and then directly executed by an interpreter
- Type commands into interpreter and see immediate results



## Python Installation Steps

### Windows:

- Download Python from <http://www.python.org>
- Install Python.
- Run **Idle** from the Start Menu.

### Mac OS X:

- Python is already installed.
- Open a terminal and run `python` or run Idle from Finder.

### Linux:

- Chances are you already have Python installed. To check, run `python` from the terminal.
- If not, install from your distribution's package system.

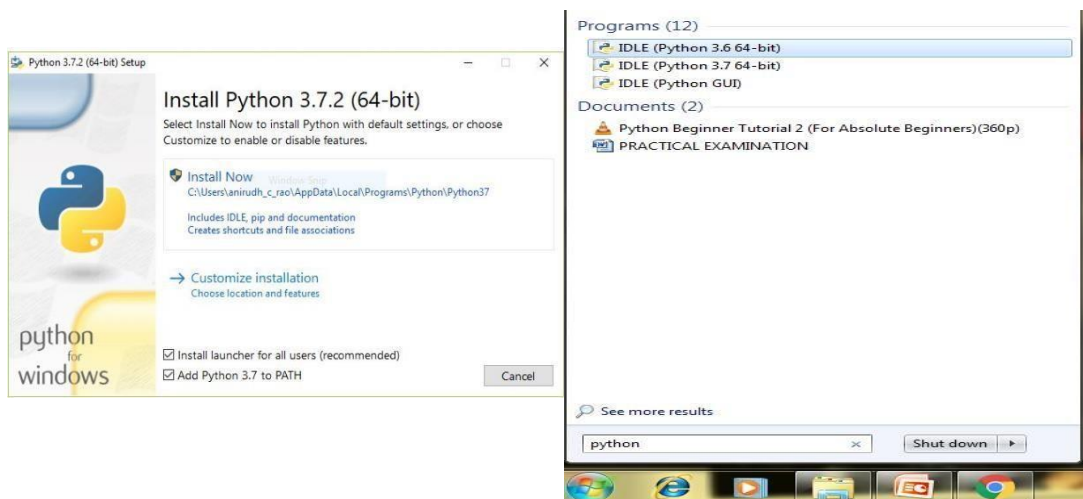
**Note:** For step by step installation instructions, see the course web site.

### Step 1: Download the Python 3 Installer

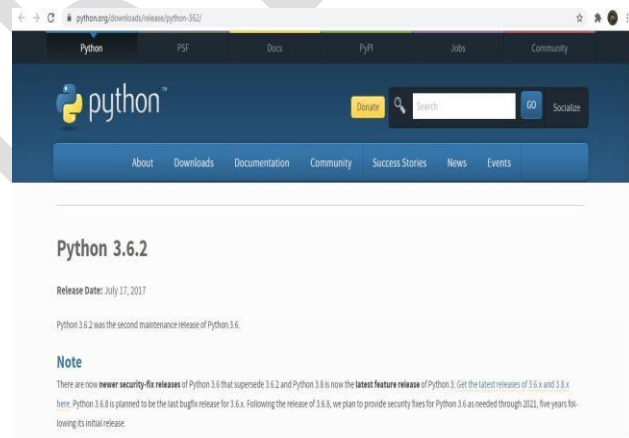
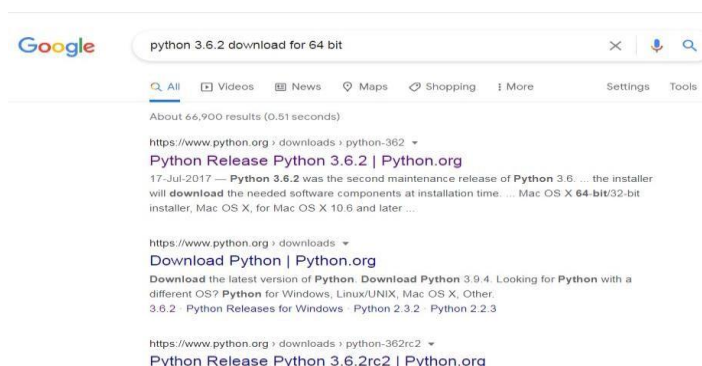
- Open a browser window and navigate to the Download page for Windows at [python.org](http://python.org).
- Underneath the heading at the top that says Python Releases for Windows, click on the link for the Latest Python 3 Release – Python 3.x.x. (As of this writing, the latest version is Python 3.7.2.)
- Scroll to the bottom and select either Windows x86-64 executable installer for 64-bit or Windows x86 executable installer for 32-bit.

### Step 2: Run the Installer

- Once you have chosen and downloaded an installer, simply run it by double-clicking on the downloaded file. A dialog should appear that looks something like this:



## INSTALLATION STEPS ON PYTHON



### Files

Version	Operating System	Description	MD5 Sum	File Size	GPG
Gzipped source tarball	Source release		e1a36bffd1d3a780b1825daf16e56c	22580749	SIG
XZ compressed source tarball	Source release		2c68846471994897278364fc18730dd9	16907204	SIG
<a href="#">Mac OS X 64-bit/32-bit installer</a>	Mac OS X	for Mac OS X 10.6 and later	86e6193fd56b1e757fc8a5a2bb6c52ba	27561006	SIG
<a href="#">Windows help file</a>	Windows		e520a5c1c3e3f02f68e3db23f74a7a90	8010498	SIG
<a href="#">Windows x86-64 embeddable zip file</a>	Windows	for AMD64/EM64T/x64	0fdfe9f79e0991815d6fc1712871c17f	7047535	SIG
<a href="#">Windows x86-64 executable installer</a>	Windows	for AMD64/EM64T/x64	4377e7d4e6877c248446f7cd6a1430cf	31434856	SIG
<a href="#">Windows x86-64 web-based installer</a>	Windows	for AMD64/EM64T/x64	58ffad3d92a590a463908dfedbc68c18	1312496	SIG
<a href="#">Windows x86 embeddable zip file</a>	Windows		2ca4768fdbadfe670e97857bfab83e8	6332409	SIG
<a href="#">Windows x86 executable installer</a>	Windows		8d8e1711ef9a4b3d3d0ce21e4155c0f5	30507592	SIG
<a href="#">Windows x86 web-based installer</a>	Windows		ccb7d66e3465eaf40ade05b76715b56c	1287040	SIG

# WORKING WITH GOOGLE COLABORATORY

