

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

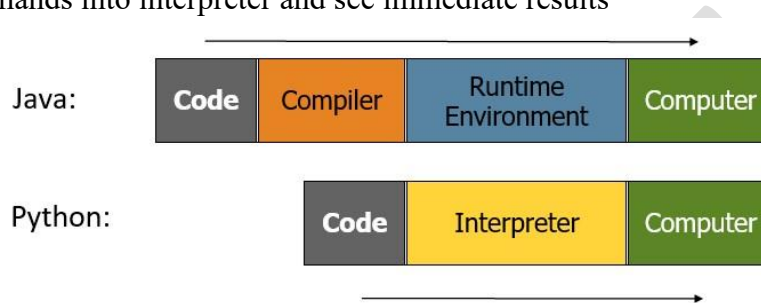
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S.NO	DATE	EXP NAME	VIVA MARK	SIGNATURE
1.		8QUEENS PROBLEM		
2.		DEPTH FIRST SEARCH		
3.		DEPTH FIRST SEARCH – WATER JUG PROBLEM		
4.		MINMAX ALGORITHM		
5.		A* SEARCH ALGORITHM		
6.		INTRODUCTION TO PROLOG		
7.		PROLOG FAMILY TREE		
8.		IMPLEMENTATION 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.

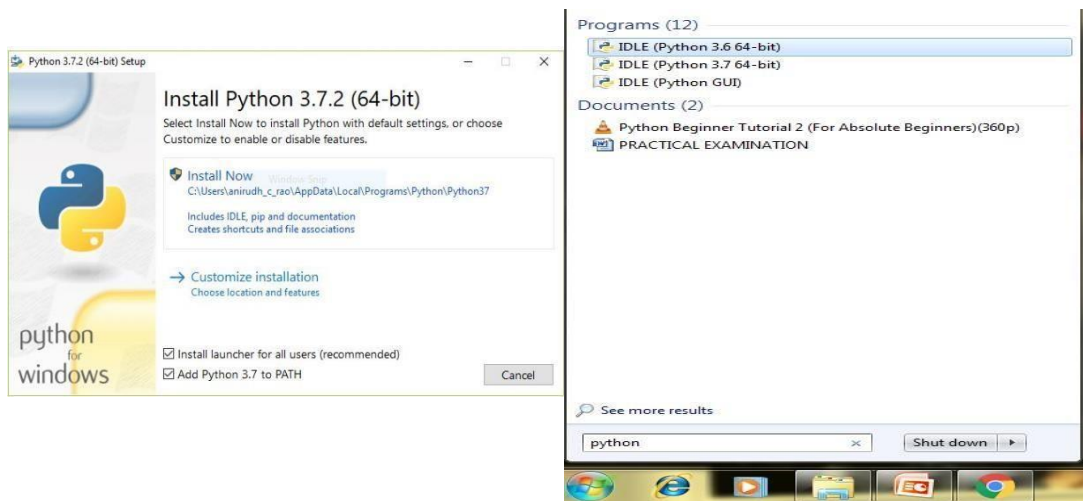
Note: For step by step installation instructions, see the course web site.

Step 1: Download the Python 3 Installer

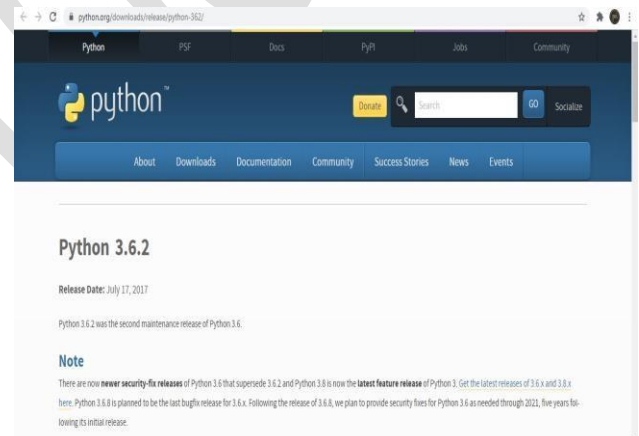
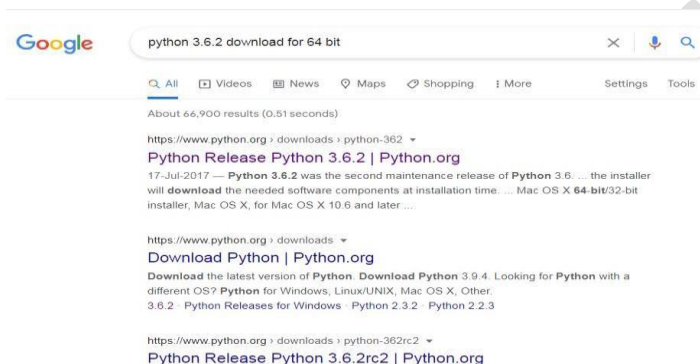
- Open a browser window and navigate to the Download page for Windows at python.org.
- Underneath the heading at the top that says Python Releases for Windows, click on the link for the Latest Python 3 Release – Python 3.x.x. (As of this writing, the latest version is Python 3.7.2.)
- Scroll to the bottom 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
Mac OS X 64-bit/32-bit installer	Mac OS X	for Mac OS X 10.6 and later	86e6193fd56b1e757fc8a5a2bb6c52ba	27561006	SIG
Windows help file	Windows		e520a5c1c3e3f02f68e3db23f74a7a90	8010498	SIG
Windows x86-64 embeddable zip file	Windows	for AMD64/EM64T/x64	0fdfe9f79e0991815d6fc1712871c17f	7047535	SIG
Windows x86-64 executable installer	Windows	for AMD64/EM64T/x64	4377e7d4e6877c248446f7cd6a1430cf	31434856	SIG
Windows x86-64 web-based installer	Windows	for AMD64/EM64T/x64	58ffad3d92a590a463908dfedbc68c18	1312496	SIG
Windows x86 embeddable zip file	Windows		2ca4768fdbadfe670e97857bfab83e8	6332409	SIG
Windows x86 executable installer	Windows		8d8e1711ef9a4b3d3d0ce21e4155c0f5	30507592	SIG
Windows x86 web-based installer	Windows		ccb7d66e3465eaf40ade05b76715b56c	1287040	SIG

WORKING WITH GOOGLE COLABORATORY

