INTRODUCTION TO PYTHON :-

- PYTHON IS A HIGH LEVEL PROGRAMMING LANGUAGE CREATED FOR GENERAL PURPOSE,IT IS CREATED BY GUIDOWON ROSUM IN 1991.
- THE NAME IS DERIVED FROM MONTY PYTHON, IS A FAMOUS FUNNY TV SHOW.
- IT IS CREATED IN THE 1980'S.
- PYTHON IS A GENERAL PURPOSE,HIGH LEVEL,INTER PRETED,INTERACTIVE,OBJECT ORIENTED,PROCEDURAL ORIENTED ,POWERFUL PROGRAMMING LANGUAGE.

GENERAL PURPOSE:-
- MEANS IT IS USED FOR MULTI PURPOSES LIKE DATA SCIENCE,MACHINE LEARNING...ETC.

HIGH LEVEL:-
- MEANS ESILY UNDERSTANDABLE BY THE USER.

INTERPRETED:-
- MEANS LINE BY LINE EXECUTION.

OBJECT ORIENTED:-
- THE LANGUAGE THAT USES OBJECTS IN THE PROGRAMMING.

WHO USES TOP COMPANIES:-

YOUTUBE :-
- IS ORIGINALLY WRITTEN IN PYTHON.

GOOGLE:-
- MANY COMPONENTS OF THE GOOGLE LIKE GOOGLE SPIDER AND SEARCH ENGINE ARE WRITTEN IN PYTHON.

DROPBOX:-
- WEB BASED FILE HOSTING SERVICES ARE WRITTEN IN PYTHON.

RASBERRYPI:-
- SINGLE BOARD COMPUTER SYSTEM.

BIT TORRENT:-
- PEER TO PEER COMMUNICATION IS WRITTEN IN PYTHON.

USING TOP COMPANIES:-

- ZOPE CORPORATION
- SHOP ZILLA
- YUM
- WHAT'S DISNEY
- NASA
- IBM
- NOKIA
- RED HAT

FEATURES OF PYTHON:-

- IT IS SIMPLE
- EASY TO LEARN
- LESS CODING

- EASILY UNDERSTANDABLE SYNTAXES
- IT IS PORTABLE
- IT SUPPORT ALL TYPES OF LANGUAGES
- IT IS MULTI PROGRAMMING PARADIGM
- IT IS CASE SENSITIVE

PYTHON2 VS PYTHON3:-

PYTHON2	PYTHON3
- PRINT "HELLO WORLD....!"	- PRINT("HELLO WORLD...!")
- LESS SUPPORT TO LIBRARIES	- MORE SUPPORT TO LIBRARIES
- NOT AS READY	- REDAY TO MOVE INTO FEATURE
- WHILE COMPARE TO PYTHON3 LOW PERFORMANCE	- WHILE COMPARE TO PYTHON3 HIGH PERFORAMANCE

DOWNLOAD&INSTALLATION OF PYTHON:-

WWW.ANACONDA.COM ---->ANACONDA--->PRODUCTS--->INDIVIDUAL ERROR---->64-BIT GRAPHICAL INSTALLER(466 MB)--->DOWNLOAD--->
OPEN--->NEXT--->I AGREE--->JUST ME---->NEXT---->R--->INSTALL---->COMPLETED---->NEXT---->SKIP--->FINISH--->OPEN SEARCH BAR--->
TYPE--->JUPYTER NOTE BOOK--->CREATE NEW FOLDER IN DESKTOP--->RENAME---TBGR.
SEARCH--->JUPYTER NOTEBOOK(ANACONDA)--->OPEN BOOK--->DESKTOP--->TBGR--->UPLOAD(NEW)--->PYTHON3--->JUPYTER--->UNTITLED--->
EVERDAY RENAME,DATE.

WHY TO LEARN PYTHON:-

- PYTHON IS A GREAT BUILDING FOR MICRO PROJETS TO MINI ENTERPRIZE WEB SERVICES,AND AS WELL AS SUPPORTING ALL TYPES OF OTHER   PROGRAMMING LANGUAGES.ALTHOUGH IT'S A HIGH LEVEL LANGUAGE AND CAN DO COMPLEX TASKS,PYTHON IS EASY TO LEARN AND CLEAN SYNTAX.

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