# INTRODUCTION OF PYTHON

Ques1) what is python?

- Python is a popular programming language.
- It was created by Guido van Rossum .
- It was released in 1991.
- Python is a independent platform.
- Procedure + function oops.
- It is a open source and free ware.

Ques2) why python?

1. Python works on different platforms(windows , mac , linux etc).
2. Python has a simple syntax to the English language.
3. Python has syntax allows developers to write programs with fewer lines that some other programming language.
4. Python runs an interpreter system ,meaning that code can be executed as soon as it is written. This means that prototyping can be very quick.
5. Python can be treated in a procedural way , an object oriented way or a functional way.

Ques3)what can python do?

1. Python can be used alongside software to create workflows.
2. Python can be used an a server to create web applications.
3. Python can connect to database systems. It  can read and modify files.

Ques4) Use of python?

1. Application software.
2. Desktop application also known as windows application .
3. Network application (related to network cyber sequrity).
4. Gaming application.
5. Data science.
6. Database application
7. Software development
8. Mathematics
9. System scripting
10. Data analytics
11. AI
12. Machine language

Ques5) How to use ?

- cd-any file read.
- **Subline :-** write a code
- Python file save in **.py** .example:- intro.py

| STEPS:-    sublime | Cmd(command prompt) |
|---|---|
| • File save in desktop. | • Write cd onedrive .enter button click |
| • Now show a file path. | • Write cd desktop .enter button click. |
| • Any code write .save a code (cntrl+s) after every code . | • Write a python file name .enter button click .then output show. |

Ques6)what is variable and its types?

Ans:-In simple word it is a sort name of any value.

- It is a container where we store multiple values in a single  or multiple variable.

## TWO TYPE OF VARIABLE:-

1. Multi variable
2. Singal variable
- Multi variable:- multi variable means two or more variable are write.
  Example:- x,y,z=10,20,30
      Print(x)
      Print (y)
      Print(z)

2.Singal variable:- singal variable means only one variable are write.

   Example :-x=20

      Print(x)

## LIMITATION  OF VARIABLE

- Variable should be written in alphanumeric character .ex:-X4,A1,B6 etc.
- Variable should be start with alphabets.
- Variable can't written in number.
- Variable you can't use any special character like @,#,$,% etc.
- Variable are case sensitive.

Ques7) what is comments and its types?

Ans:-It is a statement that we want to show but I don't want to execute.

## TWO TYPE OF COMMENT

1.Singal comment

2.Multi comment

1.**singal comment**:-singal comment means to # .so one statement does not execute.

Example :-  #x=20

     #print(x)             starting to text     ending to text

2.**Multi comment** :-multi comment means ("'    "')  .so multiple statement does not execute.

Example: -  "'    x,y,z=10,20,30

          Print(x)
          Print (y)
          Print(z) "'

Ques8) what is indentation error?

Ans:- It is a extra space of any starting of the code.

Example:-……x=20

    ……..print(x)

# ENGING 🙂