MANDAPALLI HEMA

ASSESSMENT-8

PYTHON:

Python is a object\_orientation, high level language and scripting language

\* It was conceptualized by GUIDO VAN ROSSUM in 1991.

\*uses .py extension.

\*easy to learn,maintain and read.

\* it is free and open source.

INTREPRETER VS COMPILER:

* compiler translates the high level language to machine code before program runs.
* Interpreter translates code into machine code line by line as the code runs.

PYTHON BASIC SYNTAX:

\*The header line for compound statements, such as if, while, def, and

class should be terminated with a colon ( : ).

\*semicolon(;) is not mandatory.

Comments:

#-- single comment

‘’’ “’----- multiple comments

Indentation :

if x > 5:

print("x is greater than 5")

else:

print("x is not greater than 5")

Datatypes and variables:

# Variables

x = 10

name = "John"

# Data Types

num = 3.14 # float

is\_true = True # boolean

text = "Hello" # string

Print:

Print(“hema”)