

===== 5. Interpreted Programming
===== =>When we develop any python
program, we must give some file name with an extension .py (File Name.py). =>When we
execute python program, two process taken place internally a) Compilation Process b)
Execution Process. =>In COMPILATION PROCESS, The python Source Code submitted to
Python Compiler and It reads the source Code, Check for errors by verifying syntaxes and if no
errors found then Python Compiler Converts into Intermediate Code called BYTE CODE with an
extension .pyc (FileName.pyc). If erros found in source code then we get error dispalyed on the
console. =>In EXECUTION PROCESS, The PVM reads the Python Intermediate Code(Byte
Code) and Line by Line and Converted into Machine Understable Code (Executable or binary
Code) and It is read by OS and Processer and finally Gives Result. =>Hence In Python Program
execution, Compilation Process and Execution Process is taking place Line by Line conversion
and It is one of the Interpretation Based Programming Language. -----
----- Definition of PVM (Python Virtual Machine) -----
----- =>PVM is one program in Python Software and whose role is to read
LINE by LINE of Byte Code and Converted into Machine Understable Code (Executable or
binary Code) -----
