* Simple and easy to learn
* Free and open source
* Simple English language (high level language), no need to concern of low level language(assembly language)
* Portable(supported in linux,windows,solaris,playstation etc.)
* Supports procedure-oriented programming as well as oops
* Extensibility-> can completely integrate java, dot net components and even can be called from c++ programs
* If any single needs to be commented , that can b done via ‘#’ sign.
* If block of codes need to be commented then ‘///’ needs to be used.
* Only in python, in List , we can store the objects of any type
* It is loosely typed language i.e. no need to define the datatype of the language
* No need to declare variables before using them
* Datatype-> immutable, mutableto use multiline strings we have to use 6 single quote in beginning and 6 in last like-> ‘’’’’’You have starts python!awesome continue to do that!”’’’’
* Tuples is a sequence of immutable python objects like floating number,string literals
* Tuples cant be modified unlike Lists
* Tuples are defined using curve brace, ex- (‘Example’,2.4,1)
* Lists-> a list is a sequence of mutable python objects like floating number,string literals
* Lists can be modified
* Lists are defined using square bracket . ex-> [‘Example’,2.4,1,’Python’]
* Different functions of lists-> append(value),extend([list]),insert(index,value),pop()-> will start to remove from last
* Dictionary are defined using curly braces, {1:’John’, 2(key):bob(value)}
* It accepts the duplicate key but it take the latest value corresponding to the key
* Key value can be mixed types, key can be string, value can be list
* A set is an unordered collection of items
* Every element is uniquie, no duplication,must be immutable
* Marks =80

If (Marks > 80):

Print(‘Grade a’)

* How to take user input : num= int(**input**(‘enter your choice =’))
* It will take input only from user which will convert that to integer
* Function definition:

Def add(a,b):

Result = a+b

Return result;

Num1 =2

Num2 = 3

Print(add(num1,num2))

* How to get float result ->Decimal -> 18.0/7.0->2.57142

But 18/7 will give 2