1. What is the difference between if, else and elif in Python?

All three are control statements to check the condition. But, it differs from each other based on the levels of condition checking.

Ex 1: If the requirement is for single condition checking, then if condition can be used

if(condition 1):

Condition satisfied statement

Ex2 : If the requirement is for dual condition checking, then else condition can be used.

if ( condition 1):

Condition 1 true statement

else:

Condition 1 false statement

Ex 3: If the requirement is more than on condition, then elif can be used

if ( condition 1):

Condition 1 true statement

elif ( condition 2):

Condition 2 true statement

elif ( condition 3):

Condition 3 true statement

else:

All conditions false statement

1. Can you use multiple elif statements in a program?

As a general programming language concept principle, it is advisable not use to multiple if else statements which includes multiple elif in python. Rather advisable to use switch case statements. In Python, it is called as Match-Case statement.

1. What is the difference between the if keyword and elif keyword?

Both if and elif are used in the condition checking.

If statement is used in the first condition checking.

elif statement is used if the previous condition fails and checking for the subsequent condition.

1. How do you define a class in Python?

Class is defined as following:

class <classname> ():

Ex:

class employee ():

1. How do you define a function in python?

Function in Python is defined as follows.

def <function-name> ():

Ex:

def printemployeedetails():

1. What is a class in Python?

In object-oriented world, class is defined as a blueprint. That means using blueprints is the basic construct of any object, and using blueprint anyone can define n number of objects.

Ex:

class employee:

empno=0

empname=””

empage=0

def printemployeedetails(empno, empname, empage ):

print(“Emp no”. empno)

print(“Emp name”. empname)

print(“Emp age”. empage)

emp1 = employee()

emp1.printemployeedetails(10,”Jane smith”,30)

Here, class is defined as an employee. Its attributes are employee number, name and their age.

Like emp1 , we can create number of employee objects.

1. What is a function in python?

Function in python is defined as a method in the object-oriented world. It is used to describe the object’s properties or to calculate any expression based on the object’s properties.

1. What is a parameter in a function?

Parameter in function is an input to the function. Based on that, function can evaluate the passed parameter and return the output

1. What is a built-in function in Python? Can you name a few examples?

There are some pre-defined or built in functions defined in Python. That would be used to get the results directly.

Ex :

Int() is the built function used to convert the string in to integer

Print() is used to print the values to the console

Input() is used to get the input values from user

1. Why indentation error occurs?

Python is built line-by-line interpreter way. If there is no indentation, then it would confuse the interpreter and it would throw indentation error.