**1.What is difference between module and package in python ?**

**Ans.**

**2. What are the build in types in python ?**

**Ans. There are mutable and immutable built-in-types in python**

**1.mutable : list,set,dictionaries**

**2.immutable: String,tuple,numbers**

**3. Explain a difference between a list and tuple ?**

**Ans.**

**4.What is the difference between pickling and unpickling ?**

**Ans.**

**5. What are the decorators in python ?**

**Ans.**

**6. What is the difference between generators and iterators /**

**Ans.**

**7. How to convert number into string ?**

**Ans.**

**8. What is the use of // operator in python ?**

**Ans.**

**9.Does python have a switch or case statement,like in c ?**

**Ans.**

**10. What is the range function ?**

**Ans.**

**11.What is == in Python ?**

**Ans.**

**12. Does Python have main() function ?**

**Ans.**

**13.What is GIL ?**

**Ans.**

**14. Before the use of ‘in’ operator , which method was used to check the presence of the key in dictonary ?**

**Ans . The has\_key() method.**

**15. How do you change the data type of list ?**

**Ans. To change list into a tuple we use tuple () function**

**To change list into a set we use set() function**

**To change list into a dictionary we use dict() function**

**To change list into a string we use .join() function**

**16. What are the key features of python ?**

**Ans. 1. Interpreted 2. Dynamically-Typed 3. Object-Oriented 4. English like syntax**

**17. Is python is case sensitive ?**

**Ans. Yes,Python is case sensitive**

**18.Is Python is object oriented programming language ?**

**Ans. Yes , Python is a object oriented programming language using python we create classes and objects.**

**19. Name Some commonly used built in modules in python ?**

**Ans. >os >sys >math >random >data time >json**

**20. Explain ‘self’ in python**

**Ans.**

**21.Is Indentation mandatory in python ?**

**Ans. Yes Indentation is necessary in python, Indentation helps specify a block of code**

**22. Explain the difference between Python arrays and lists**

**Ans.**

**23. What is \_\_init\_\_ ?**

**Ans.**

**24. How to write comments in python ?**

**Ans. In Python Comment Start With #(Hash ) Character**

**25.How can you capitalize the first letter of a string in python ?**

**Ans.**

**26.Explain the functions of ‘is ’, ‘not ’, ‘in ’ Operators**

**Ans. The “is” operator returns true when two operands are true.**

**The “not” operator returs the inverse of the boolean value.**

**The “in” operator checks if some element is present in some sequence.**

**27.What is a statement in Python ?**

**Ans.**

**28.How do you do data abstraction in python ?**

**Ans.**

**29. What are the functions ?**

**Ans.**

**30.Can list be used as key in dictionary ?**

**Ans .Keys in dictionary is immutable, but we can have value as list**

**Q.1 How do we write a python programs ? what are the basic things that we need to take care of ?**

**Q.2 What is the suite in python ?**

**Q.3 Different data types in python ? with example ?**

**Q.4 Different ways to concanate tuples ?**

**Q.5 What is slice operator ?**

**Q.6 what are the functions in python ?**

**Q.7 what is regular expressions ?**

**Q.8 what module that we are using in regular expression in python ?**

**Q.9 What is the business does by interviewed company ?**

**Q.10. Products used in interviewed company ?**

**Q.11 . What is Software development life cycle ?**

**Q.12 . What is isdigit function and its usage with example ?**

**Q.13. What is Pip ? what is package ?**

**Ans.  Pip Stands For package installation program , preferred installer program**

**A package contains all the files you need for a module.**

**Modules are Python code libraries you can include in your project.**

**Q.14. What is Python Interpreter ?**

**Q.15 Python in platform indepenent or dependent ?**

**Ans. Yes, python is platform independent. Like we can Run the same code in different platforms without any changes.**

**As like in java there is some difference when we run the set of code in Windows and Ubuntu, we have to change the code whereas in python we don't have to change the code we can run the same code in both os as well as in mobile we can run it.**

**Q.16 What is pass keyword In python**

**Ans. When the pass statement is executed, nothing happens, but you avoid getting an error when empty code is not allowed.**

**Q.17 Can we create desktop application using python ?**

**Ans. Yes, you can. In this article, we will learn how to make a desktop application using the Tkinter library of Python. There are several libraries in Python, but Tkinter is one of the easiest ones among them.**

**Q.18 difference between break and continue condition ?**

**Ans.**

**Q.19 how to add elements dynamically in set ?**

**Ans.**

**Q.20 Differnce between class and object ?**

**Ans.**

**Q.21 what are the default/Implicit components of class ?**

**Ans.**

**Q.22 what is the diffrence between a module and a package in python ?**

**Q.23 Python is flow of python program ?**

**Q.24 Whats is Pvm and its working ?**

**Q.25 Difference between tuple and list ?**

**Q.26 Set contains duplicate elements or not ?**

**Q.27 Can we see the repeated elements with their count in set ?**

**Ans . yes we have to convert set into list and then we can show repeated elements and their count**

**Q.28. Method to delete a file in python ?**

**Ans. In Python, you can use the os. remove() method to remove files, and the os. rmdir() method to delete an empty folder. If you want to delete a folder with all of its files, you can use the shutil.**

**Q.29 Why Python is called as Inerpreted Language ?**

**Ans.**

**Q.30 What is collection array in python ?**

**Ans . List**

**Q.31 How to reverse a string and list elements using various methods ?**

**Ans.1. using in build reverse functiion**

**2. Slicing concept**

**3. for loop**

**Q.32 What is the difference between frozenset and tuple**

|  |  |
| --- | --- |
| **Tuple** | **Frozenset** |
| **1.Order Preserved** | **1.Order not Applicable** |
| **2. Duplicates are allowed** | **2. Duplicates are not allowed** |
| **3.Indexing,Slice Applicable** | **3. Indexing,Slice Not Applicable** |