**Python Daily Tasks**

**Python task-1**

1. What is python and explain the history of the python programming language?
2. What are the features of the python programming language?
3. What are the applications of the python programming language?
4. Why Python is popula .

**Python task-2**

1.What is the difference between interpreter and compilor?

1. What are the advantages of python?
2. What are the disadvantages of python?
3. Why is python slow in python?
4. Why is python not compatible with the best mobile application?
5. Write 10 operating systems?
6. In python programming what is the use of 3rd party programming?

**Python task-3**

1. What is IDE?
2. What is scripting?
3. What is the difference between Script and IDE?
4. How to install Python ?
5. Difference between Scripting and programming language.

**Python task-4**

1. What is variable ?
2. What is the difference between variable and indetifier?
3. What are the diff ways to  assign a value to the variable?
4. What are the different naming rules?
5. What is the difference between dynamic typing and dynamic variables?

**Python task-5**

1. What are different operators in Python programming?
2. What is the difference between / & //?
3. What is the difference between == and is?
4. What is diference    between OR and XOR ?
5. What are the membership operators in python & what is working on it?

**Python task-6**

1. What are different ways to print output using print(\_)?
2. What is the keyword and write the list of keywords present in python?
3. How to add comments in a python program?
4. WAP to print name and age using f- string and take input dynamically?
5. Is it possible to use keyword name as variable name if yes the why, if not the why?

**Python task-7**

1. What are different data types in python?
2. What is the difference between list and tuple?
3. What are the different ways to declare strings?
4. Why is tuple  immutable in nature?
5. What is set?
6. Write a program to print 2 in give list without indexing.list=[1,2,3,4,5]
7. What is a dictionary?
8. What is the difference between append,extend,insert?
9. What is the difference between extend and append?
10. What is the difference between clear and delete?
11. What is the difference between pop and delete?
12. Explain function of count(*) and length(*)?

**Python task-8**

1. What is string & and different ways to create string?
2. String is mutable or immutable in nature?
3. Write a program to print string ”I like python programming”?
4. What is the difference between capital () and title with an example?
5. What are the different operations in string that explain a syntax and with their example?

**Python task-9**

1. What is object and class? Explain with a real\_time example?
2. What is different OOP & POP?
3. What is a function? What are different types of function and explain all types of function in detail?
4. What is the difference between built in function and user defined function?
5. What is the difference between user defined function and lambda function?
6. What is the difference between print and return?

**Python task-10**

1. What are the class methods in python?
2. What is the difference between class dynamic and static methods?
3. What is the difference between static variable and static method?
4. Explain dynamic methods in python with examples?
5. Explain static methods with exmple?
6. Class method explained in detail with example?

**Python task-11**

1. What is polymorphism?
2. What is overloading?
3. What is the difference between method overloading and overrinding?
4. What is the super method?

**Python task-12**

1. What is abstraction?
2. What is abstract class and object method?
3. What is encapsulation and explain details and one live example?
4. What is the excess specifier in python?
5. What is the difference between public, private,  and Protected?
6. Write a program to print the area ,perimeter , of the rectangle? And make all variables public , and make all perimeter private, and make all Protected?
7. WAP to check if a given string is palindrome or not ? with help of abstraction

      Output be—- yes or no?

**Python task-13**

1. What is exceptional handaling?
2. difference between exceptional  & custom exceptional?
3. Explain functionality of try,except,finally,else block?
4. What is the working of raise keyword?
5. What is a custom exception? Explain with an example?
6. What are the different types of error in python ?explain all errors with an example?
7. What are the packages and modules?
8. How to create a custom package & module?
9. What is the difference  between  module & package?
10. What is list compression?
11. Why is list compression necessary? Or why do we use list compression? What are the benefits of using list compression?
12. What is numpy?