

# Silver oak college of computer Application

## Subject: Python Programming

### Question Bank

1. What is Python?
2. Explain features of Python.
3. Explain PVM.
4. Comparison between c and Python.
5. Comparison between Java and Python.
6. List out datatypes in python explain any two datatypes with Example.
7. What is the difference between list and tuple?
8. Explain variable in python with example.
9. List out the rules for identifiers.
10. Explain keyword in python.
11. Explain type conversion with example.
12. Explain arithmetic operator with example.
13. Explain membership operator with example.
14. Explain identity operator with example.
15. Explain if loop with example.
16. Write a program of print the largest of the three numbers in python.
17. Write a program to check whether a number is even or not.
18. Explain for loop with example.
19. Explain while loop with example. Write a program on  $\text{sum} = 1+2+3+\dots+n$  using while loop.
20. How to use pass statement in python?
21. How to declare function in python? Explain with example.
22. Write a program in python to find enter no is even or odd using function.
23. Write a program in python to find Fibonacci series using function.  
(Output like this: 0 1 1 2 3 5 8 13 ....)
24. Write a program to perform pyramid pattern using range() function.  
1  
1 2  
1 2 3  
1 2 3 4

25. Explain recursion with example.
26. What is lambda function? Explain with example.
27. List out the characteristics of the list. How to add and remove element in list explain with example.
28. Explain count() and index() method in tuple.
29. What are classes and object in python?
30. Explain \_\_init\_\_() function.
31. What are classes and object in python?
32. What is constructor? Explain types of constructor with example.
33. What is inheritance? Explain types of inheritance.
34. What is the use of super keyword?
35. What is method overriding? Explain with example.
36. What is self-variable constructor?
37. What is Exception handling in python?
38. Explain Try, except and finally keyword with example.
39. Explain different types of file access modes.
40. How to open and close .txt file in python?
41. How to create MySQL database connection using python.