Padasalai's Telegram Groups!

(தலைப்பிற்கு கீழே உள்ள லிங்கை கிளிக் செய்து குழுவில் இணையவும்!)

- Padasalai's NEWS - Group
https://t.me/joinchat/NIfCqVRBNj9hhV4wu6_NqA

- Padasalai's Channel - Group
https://t.me/padasalaichannel

- Lesson Plan - Group
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- 12th Standard - Group
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- 11th Standard - Group
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- 10th Standard - Group
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- 9th Standard - Group
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- 6th to 8th Standard - Group
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- TET - Group
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- PGTRB - Group
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- TNPSC - Group
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XII COMPUTER SCIENCE

IMPORTANT 5 MARKS

CHAPTER-1

1.Explain pure function with example.

2.Explain impure function with example.

3.Explain the interface concept with example.

4.Explain the concept of Chameleons of Chrome land problem using function.

CHAPTER-2

1.How will you facilitate data abstraction ? Explain with example.

2.what is a List ?Why List can be called as pairs ?Explain with example.

3.How will you access the multi -item? Explain with example.

CHAPTER-3

1. Explain Types of scope.

2.Write any five characteristics of Modulus.

3.Write any five benefits of using modular programming.

4.Write a simple example using LEGB rule.

5.Explain access control.

6.What is a Module? Explain.

7.Explain the variable scope with example.

CHAPTER-4

1.Characteristics of algorithm.

2.Discuss about Linear search.

3.Explain Binary search.

4.Explain Dynamic programming with example.

5.what are difference between algorithm and program.

6.Explain Best ,worst and average case.

7.Explain Selection sort.

8.Explain insertion sort.

9. Explain an algorithm to find the square root of a number.

10.Write a pseudo code for binary search.

11.Explain method to determine efficiency.

12.Explain bubble sort algorithm with example.

CHAPTER-5

1.Describe in detail procedure script mode programming.

2.Explain input( ),&print( ).

3.Discuss about Tokens.

4.Explain Literals and its types.

5.Explain Operators.

6.Explain Data types.

7.What are the rules you should follow while writing identifier with example.

8.Write any ten keywords in python.

CHAPTER-6

1.Explain for loop.

2.Explain if else..if elif else,...

3.Write a program to display multiplication table.

4.Write a program to display all three digit odd numbers.

5. Explain While loop.

6.Write a program for factorial.

7.Explain Jump statement.

CHAPTER-7

1.Explain different types of functions with example.

2.Explain the scope of variables with example.

3.Explain the Built in functions.

4.Write a python code to find the L.C.M.

5.Explain recursive function with example.

6.Explain types of function arguments.

7.When the global and local variable has the same name how it resolved?

8.Explain any three types of mathematical function.

CHAPTER-8

1.Explain string operators in python.

2.Explain any ten Built in string functions

3.Explain any five formatting characters and its usage.

4.write any five escape sequence.

5.Explain in detail with examples: a)center( ),b)find( ),c)count( ).

6.Explain the functions that deal with changing case.

7.Write a program to check whether the given string is a palindrome or not.

8.Write a program that accept a string from the user and display the same after removing vowels.

9.program to count the occurrences of a character in a string.

CHAPTER-9

1.Write are the different ways to insert an element in a list with example.

2.What is the use of range ( ) ? Explain.

3.What is nested tuple ?Explain.

4.Explain the set operations with example.

5.How to generate Fibonacci series and store in list.

6.Different ways to delete an element in a list .Example.

7.Explain copy( ) ,count ( ),Sum( ), functions.

8.Explain various functions in list.

CHAPTER-10

1.Write a menu driven program to add or delete stationary items. You should use dictionary to store items and brand.

CHAPTER-11

1.Explain the different types of data model.

2. Explain the different types of relationship mapping.

3.Differentiate DBMS&RDBMS.

4.Explain the different operators in relational algebra with examples.

5.Explain the characteristics of DBMS.

6.Explain the components of DBMS.

7.Explain NDT relationship module.

CHAPTER-12

1.What are the different types constraints and their functions.

2.What are the components of SQL. write commands in each.

3.Construct the following SQL statements..

a. Select statement using GROUPBY clause.

b. Select statement using ORDERBY clause.

4.Write a SQL statements to create a table for employee having any five fields and create a table constraint for the employee table.

5.Write about Data type and description.

6.Write about DML commands.

7.What are the various processing skills of SQL?

8.Explain any five data type.

9.What is the role of SQL in RDBMS.

10.Explain Create table command with example.

11.Explain TCL commands.

12.Explain Alter command, Truncate command, Drop table &Update command.

13.HOW will you insert a record in a table.

CHAPTER-13

1.Differentiate Excel file & CSV file.

2.Tabulate the different mode with its meaning.

3.Write the different methods to read a file in python.

4.Write a python program to write a CSV file with custom quotes.

5.Write a the rules to be followed to format data in a CSV file.

CHAPTER-14

1.Write any five features of python.

2.Explain each word of the following command.

Python <filename.py>-<i> < c++ filename without cpp extension>

3.What is the purpose of sysmos, getopt module in python. Explain.

4.Write the syntax for getopt( ). Explain its arguments and return values.

5.Write a python program to execute the following c++ coding

```
#include <iostream>

using namespace std;

int main()

{

cout<<"WELCOME";

return(0);

}
```

The above C++ program is saved in a file welcome.cpp

6.What are commonly used interfaces when importing c++file in python.

7.write the syntax of OS system function. Explain the arguments.

8.Explain the commands for wrapping C++ code.

9.Write any five features of python.

10.Explain the step in executing C++ program in python.

CHAPTER-15

1.Write a brief note about SQL lite and the steps used to use it.

2.Write the python script to display all the records of the following table using fetch many( ):REFER BOOK P.NO:318

3.What is the use of HAVING clause. Give an example python script.

4.Write a python script :REFER BOOK P.NO:319

5. write a python script :REFER BOOK P.NO:319

6.Write SELECT queries for the following from the given table: REFER BOOK.

7.Write note on clauses that can be used with select. Explain any three.

8Write a note on aggregate functions of SQL.

9.What is a master table? Write a python script to display names of a table in a database.

10.Explain how the SELECT statement can be used along with GRROUPBY clause.

11.Write SQL lite steps to connect the database.

12.Explain how a connect to be made to a database.

13.List the classes used in the SELECT statement .

14.Explain OR,AND,NOT operators in SQL.

CHAPTER-16

1.Explain in detail the types of pyplots using Matplotlib.

2.Explain the various buttons in a matplotlib window.

3.Explain the purpose of the following function:

a. plt.xlabel b. plt. ylabel c. plt.title d. plt.legend( ) e. plt.show( )

4.What are the key difference between histogram and a Bar graph.

By

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