1. Prgm to remove duplicate elements from a list

2. Print the pattern

```
* * * * * * * * *

  * * * *    * * * *

   * * *      * * *

    * *         * *

     *            *

   *                *

    * *            * *

     * * *      * * *

      * * * *    * * * *

       * * * * * * * * *
```

3. pgm to count the frequency of each element in a list (string)

4. prgm to generate the next highest number by rearranging the digits in a given number (digits   should appear only once in the number and all the digits should present)

5. print the following pattern.

```
1

2   5

3   6   8

4   7   9   10
```

6. Prgm to print unique elements from a given elements

7.Program to check for substrings in a given string (any possible patterns)

Eg: input string: QUESTIONS

Check for substrings: SEU, NOI, SQU, STI

8. Program to find the sum of digits in a given number until the sum becomes a single digit number

Eg: 7895=>7+8+9+5=29,

29=>2+9=11,

11=>1+1=2

9. Program to convert a given decimal number into its octal and binary representation and vice versa

10. prgm to find all pairs in integer list whose sum Is equal to given number (subset problem)

11. stair case pattern

```
      * *
      * *
    * * * *
    * * * *
  * * * * * *
  * * * * * *
* * * * * * * *
* * * * * * * *
```

＊ ＊ ＊ ＊ ＊ ＊ ＊ ＊ ＊

＊ ＊ ＊ ＊ ＊ ＊ ＊ ＊ ＊

12. Array Challenge(arr) reads the list of integers stored in arr which will be in the following format:

[K,r1,r2,r3,…….] where K represents the number of desks in a classroom, and the rest of the integers in the list will be in sorted order and will represent the desks that are already occupied. All of the desks will be arranged in 2 columns, where desk#1 is at the top left, desk#2 is at top right, desk#3 is below #1,desk#4 is below 2, etc. Your program should return the number of ways 2 students can be seated next to each other. This means 1 student is on the left and1 student on the right, or 1 student is directly above or below the other student.

13.Program to generate histogram showing the frequency of each alphabet in a given string.

     Eg: input: Malayalam language

Output

a	######
e	#
g	##
l	###
m	#
n	#
u	#

y   #

14. You are given a csv file named "rgb_colorspace.csv" in the directory" data" with values for RGB colorspace in each column. You have to perform following task

· Read the values from the csv file for each row

· Convert the colorspace from RGB to HSV

· Write the converted values to a dictionary with RGB colorspace as key(tuple) and HSV colorspace as value(tuple)

· Return the dictionary

Hint:

The RGB values in the cell must in string format

15. You have a string with few words. Your task is to replace characters with _ from the words if the words if the beginning and trailing characters are the same. After that remove the even palindrome and remove the duplicated words except for the first occurrence. The string can consist of both uppercase and lowercase characters but the output should be in lower case only. Remove all trailing whitespaces after cleaning. You are not allowed to use external packages and use only built-n packages.

Company name ; Touchworld

1. Reversing a string

2. Recursive function
3. Package import
4. Multilevel inheritance in python
5. Oops concepts
6. Python application area
7. Html form tag
8. Input tag
9. Polymorphism
10. Abstraction
11. Delete and truncate difference
12. Orderby
13. max()
14. min()
15. Innerjoin
16. Outerjoin
17. Leftjoin
18. Rightjoin

Company name ; Tsanct

1. Oops concepts
2. Python features
3. List comprehension
4. Lambda function
5. Why python is high level language
6. Slicing and indexing
7. CRUD operations
8. Difference between list and tuple

Company name ; Inerg software

1. Oops concept
2. Difference between polymorphism and encapsulation
3. Program to find maximum and minimum from an array
4. Decorator
5. Constrictor
6. Example for inheritance
7. Write a python program to input a string and display in console using two methods in a class

Company name ; coolminds

1. Write code to find unique letter in string
2. Right shifting word in string
3. Print algorithm table

Company name ; Amzsya

1.Lambda function

2. Memory management

3. List -append ,insert

4.Try ,except ,finally

Yield

5.How to import module in python

6. What is slicing

7.How to add an element to list at a given index

8.What is difference between mutability and immutability

9. What is list comprehension

10. What is Lamda function

11. What is yield

12. Explain self in python

Slicing

Technical round

1. Dictionary comprehension

2. Database : MySQL command difference between drop and delete

3. Memory management

4. library os, syf

5. Immutable and mutable data type

6. How to delete a file from python

7. Inheritance in python

8. generator

9. basic queries in database MySQL

1. Data types in python

2.List comprehension

3.How to add an item to a list

4.Lamda function

5.Differentiate mutable and immutable datatypes

Company name ; Zesty beanz

list

dictionary

primary key

join,types of join

creating database

academic project

inheritance

oops concept

data types

global and local variable

Company name ; Pixdynamics

1

2 8

3 9 14

4 10 15

Make this pattern

2. Remove duplicate elements in a list and sort the list

*

**

**

*

**

*

Read 2 string print true if count of each character of the 2 string is equal

Eg:abcabc: abcabc=True

   AAbb:AAbb=True

   AbAbc:Ab=false

Amasya second round

1.Duplicates

2.Minimum without built in

 fn

3.Change key value pair

4.Sort a string according to length

5. change the key :value pairs (eg: {1:'a",2:"b"} output is {"a:"1,"b":2}

 6. print mini number in list with using function

 3. print the given list of string items sorted by there length
4. list[1,2,3,4,5,[6]] then out will print by [[1,6,2],[345],[6]]

5. list[1,4,3,4,5,3,7,8,9],4)

then output will print by

 [[1,4,3,4],[5,3,7,8],[9]]

6. given list is

['Python','ruby','c','javascript','java']

out will print by ['c','java','ruby','python','javascript']

Company : Abacies

Task:

Use the following design file to develop 2 pages. The first page is a list of cities. Page 2 is information about the weather in that city.

UI:

https://www.figma.com/file/kCgrxgFah34ihMtwv0YV77/React-Weather-task?node-id=0%3A1

Create the first two pages only. Make sure the following points are done.

Proper HTML coding standards.

Use of Bootstrap.

Responsiveness

Animations on Hover

Call the following API to show the information on page 2.

Weather API

https://openweathermap.org/

Company : Acsia techn (c++)

aptitude,c++,java

Company : Acube Innovations Pvt Ltd.

https://assessment.testgorilla.com/testtaker/publicinvitation/5ba657ec-e9c9-4375-b92a-a51b7e17a927

Company : Amzsys

Duplicates,Minimum without built in fn,Change key value pair,Sort a string according to length

Company : coolmind

string opration without any built in function

write code to find unique letter in string without ny built in function.(can use any programing language),program to print non repeating first word in a sentance,program to find duplicates in a list

Company : Gluisten (create this template using Bootsrap)