**Pentafox Technologies (P) Ltd. Practise Exercises - Test on Logic Ability**

**#1**

A bicyclist cycles around a circular park with a pathway connecting two opposite end points of the path of length 7kms. Develop a logic that computes the total distance covered by the cyclist for a given set of rounds cycled.

**Main1.py**

def add\_num(a,b):

multiply=num1\*3.14\*num2;

return multiply;

num1=int(input(" Enter No. of Rounds: "))

num2=7

print("‘x’ Kms travelled:",add\_num(num1,num2))

**#2**

A fixed set of positive integers is dictated by the mathematics professor during a puzzle contest.The professor asks the students to find a pair of numbers that result in a given sum. Code a logic that can automate this puzzle. Use the below input for your exercise.

**Main2.py**

from collections import deque

def find\_target(values, target):

dq = deque(sorted([(val, idx) for idx, val in enumerate(values)]))

while True:

if len(dq) < 2:

print('No match found')

s = dq[0][0] + dq[-1][0]

if s > target:

dq.pop()

elif s < target:

dq.popleft()

else:

break

return dq[0], dq[-1]

values = [1, 2, 3, 4, 9]

target = 8

sol = find\_target(values, target)

print(sol[0][0],sol[1][0])

**#3**

Alice is a cryptanalyst who is in charge of transmitting messages to bob without any intruder getting hands on it. Alice thinks of transmitting the message by reversing it with a random character appended as prefix to the encoded message.

**Main3.py**

import random

a=input().lower()

a=a[-1::-1]

a=str(chr(random.randint(65,90)).upper())+a

print(a)

**#4**

As a computer engineer, you are requested to reduce the storage space needed to store the textual content in the computer. Write a logic that can compress the content as given in the below example.

**Main4.py**

a=input()

i=0

b=[]

while(i<len(a)-1) :

count=1

while(a[i]==a[i+1]):

i+=1

count+=1

if(i+1==len(a)):

break

if(count==1):

b.append(str(a[i]))

else:

b.append(str(a[i])+str(count))

i+=1

if(a[-1]!=a[-2]):

b.append(a[-1])

c="".join(i for i in b)

print(c)

**#5**

In a puzzle contest, the chairman of your English club posts a problem to compare a given pair of words and eliminate all common characters in them. To speed up the process of judging, the computer club head was requested to prepare computer logic. Please code a solution to the above problem applying your own skillset.

**Main5.py**

a=input()

b=input()

c=[]

for i in a:

if i not in b:

c.append(i)

for i in b:

if i not in a:

c.append(i)

d="".join(i for i in c)

print(d)

**#6**

A school camp is organized by a school to support the process of preparing their students for an examination. They are in need of a study timetable that has following assumptions:

**Assumptions:**

1. Total Days of Camp – 5 Days

2. Total Hours a day -- 5 Days

3. Total Subjects – 5 Subjects

**Note:** The timetable should not follow the same order and should be in random everyday. Prepare code logic to help the School

**Main6.py**

import random

l=[]

A=int(input())

for i in range (A):

n=random.sample(range(0,A),A)

l.append(n)

s=[]

for i in range(A):

x=input('enter name')

s.append(x)

for i in range(A):

print("Day-",i+1,end=' ')

for j in range(A):

c=l[i][j]

print(s[c],end=' ')

print("\n")

**#7**

The alphabetical value is represented from 1-26 for characters A-Z respectively. Using this principle generate a crypto decoder that can generate the message for transmitted sequence of alphabetical values.

**Main7.py**

str = list( input("Enter").split(",") )

for i in str:

a = chr( int( i ) + 64 )

print(a, end =" ")

**#8**

Implement CRUD operations as an API using Python Flask and a DB in backend (prefer MySQL or MariaDB).

**Main.py**

import pymysql

from app import app

from db\_config import mysql

from flask import jsonify

from flask import flash, request

from werkzeug.security import generate\_password\_hash, check\_password\_hash

@app.route('/add', methods=['POST'])

def add\_employee():#add employee

try:

\_json = request.json

\_name = \_json['name']

\_email = \_json['email']

\_password = \_json['password']

if \_name and \_email and \_password and request.method == 'POST':

\_hashed\_password = generate\_password\_hash(\_password)

sql = "INSERT INTO tbl\_employee(emp\_name, emp\_email, emp\_password) VALUES(%s, %s, %s)"

data = (\_name, \_email, \_hashed\_password,)

conn = mysql.connect()

cursor = conn.cursor()

cursor.execute(sql, data)

conn.commit()

resp = jsonify('employee added successfully!')

resp.status\_code = 200

return resp

else:

return not\_found()

except Exception as e:

print(e)

finally:

cursor.close()

conn.close()

@app.route('/employees')

def employees():

try:

conn = mysql.connect()

cursor = conn.cursor(pymysql.cursors.DictCursor)

cursor.execute("SELECT \* FROM tbl\_employee")

rows = cursor.fetchall()

resp = jsonify(rows)

resp.status\_code = 200

return resp

except Exception as e:

print(e)

finally:

cursor.close()

conn.close()

@app.route('/employee/<int:id>')

def employee(id):

try:

conn = mysql.connect()

cursor = conn.cursor(pymysql.cursors.DictCursor)

cursor.execute("SELECT \* FROM tbl\_employee WHERE emp\_id=%s", id)

row = cursor.fetchone()

resp = jsonify(row)

resp.status\_code = 200

return resp

except Exception as e:

print(e)

finally:

cursor.close()

conn.close()

@app.route('/update', methods=['POST'])

def update\_employee():#update the employee details

try:

\_json = request.json

\_id = \_json['id']

\_name = \_json['name']

\_email = \_json['email']

\_password = \_json['password']

if \_name and \_email and \_password and \_id and request.method == 'POST':

\_hashed\_password = generate\_password\_hash(\_password)

sql = "UPDATE tbl\_employee SET emp\_name=%s, emp\_email=%s, emp\_password=%s WHERE emp\_id=%s"

data = (\_name, \_email, \_hashed\_password, \_id,)

conn = mysql.connect()

cursor = conn.cursor()

cursor.execute(sql, data)

conn.commit()

resp = jsonify('employee updated successfully!')

resp.status\_code = 200

return resp

else:

return not\_found()

except Exception as e:

print(e)

finally:

cursor.close()

conn.close()

@app.route('/delete/<int:id>')

def delete\_employee(id):#delete the employee details

try:

conn = mysql.connect()

cursor = conn.cursor()

cursor.execute("DELETE FROM tbl\_employee WHERE emp\_id=%s", (id,))

conn.commit()

resp = jsonify('employee deleted successfully!')

resp.status\_code = 200

return resp

except Exception as e:

print(e)

finally:

cursor.close()

conn.close()

@app.errorhandler(404)

def not\_found(error=None):

message = {

'status': 404,

'message': 'Not Found: ' + request.url,

}

resp = jsonify(message)

resp.status\_code = 404

return resp

if \_\_name\_\_ == "\_\_main\_\_":

app.run()

**db\_config.py**

from app import app

from flaskext.mysql import MySQL

mysql = MySQL()

# MySQL configurations

app.config['MYSQL\_DATABASE\_USER'] = 'root'

app.config['MYSQL\_DATABASE\_PASSWORD'] = ''

app.config['MYSQL\_DATABASE\_DB'] = 'fine'

app.config['MYSQL\_DATABASE\_HOST'] = 'localhost'

mysql.init\_app(app)

**app.py**

from flask import Flask

app = Flask(\_\_name\_\_)

**queres**:

CREATE TABLE `tbl\_employee` (

`emp\_id` bigint COLLATE utf8mb4\_unicode\_ci NOT NULL AUTO\_INCREMENT,

`emp\_name` varchar(50) COLLATE utf8mb4\_unicode\_ci DEFAULT NULL,

`emp\_email` varchar(50) COLLATE utf8mb4\_unicode\_ci DEFAULT NULL,

`emp\_password` varchar(300) COLLATE utf8mb4\_unicode\_ci DEFAULT NULL,

PRIMARY KEY (`emp\_id`)

) ENGINE=InnoDB AUTO\_INCREMENT=1 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_unicode\_ci;

Add employee

{

"name":"Sheikfaaruk",

"email":"sheikfaaruk@gmail.com",

"password":"pwd@123"

}

update employee

{

"id":2,

"name":"vinobala",

"email":"vinosimp@gmail.com",

"password":"pwd@456"

}

Delete the employee

http://127.0.0.1:5000/delete/enter\_the\_id\_no

Display the Employees

<http://127.0.0.1:5000/employees>

Interview Quesୁons Pentafox Technologies

**5. Time to solve some problems.**

**Create a method/funcୁon to check whether the given 2 strings are anagram to one**

**another or not. Return true if they are anagram.**

**Main1(5).py**

def areAnagram(str1, str2):

num1 = len(str1)

num2 = len(str2)

if num1 != num2:

return 0

str1 = sorted(str1)

str2 = sorted(str2)

for i in range(0, num1):

if str1[i] != str2[i]:

return 0

return 1

str1 = input("enter the string 1")

str2 = input("enter the string 2")

if areAnagram(str1, str2):

print("True")

else:

print("False")

**Return the total number of days from the date given to ୁll now.**

**Eg., *Input:* 24-01-1995 & Output should return the total days**

**Main3(5).py**

from datetime import date

a=input().split("-")

b=str(date.today()).split("-")

f\_date=date(int(a[2]),int(a[1]),int(a[0]))

l\_date=date(int(b[0]),int(b[1]),int(b[2]))

delta=l\_date-f\_date

print(delta.days)

**Convert array to object based on data type.**

**- Eg., *Input:* ["test", "name", 45, "anything", true, 78]**

**- Eg., *Output:***

**{ "strings": ["test", "name", "anything"], "numbers": [45, 78], "booleans": [true] }**

**Main5(5).py**

a=["test","name",45,"anything",True,78,45.5]

b={}

string=[]

number=[]

boolean=[]

floats=[]

for i in a:

if(type(i) is str):

string.append(i)

elif(type(i) is bool):

boolean.append(i)

elif(type(i) is int):

number.append(i)

elif(type(i) is float):

floats.append(i)

b["strings"]=string

b["numbers"]=number

b["booleans"]=boolean

b["floats"]=floats

print(b)

**3. Design an Invoice UI using HTML & CSS**.

Html code:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Invoice UI using HTML & CSS</title>

<link rel="stylesheet" href="css/style.css">

</head>

<body>

<div class="container">

<div class="brand-section">

<div class="row">

<div class="col-6">

<h1 class="text-white">Invoice UI using HTML & CSS</h1>

</div>

<div class="col-6">

<div class="company-details">

<p class="text-white">Pentafox Technologies</p>

<p class="text-white">Empower your business with IT</p>

<p class="text-white">+91 8888855555</p>

</div>

</div>

</div>

</div>

<div class="body-section">

<div class="row">

<div class="col-6">

<h2 class="heading">Invoice No: 001</h2>

<p class="sub-heading">Tracking No. track2025 </p>

<p class="sub-heading">Order Date: 21 / 03 / 2021 </p>

<p class="sub-heading">Email Address: demo@gfmail.com </p>

</div>

<div class="col-6">

<p class="sub-heading">Full Name: James</p>

<p class="sub-heading">Address: AD street, A city,

B state.</p>

<p class="sub-heading">Phone Number: +91 4444455555 </p>

<p class="sub-heading">Pincode: 60xxxxx</p>

</div>

</div>

</div>

<div class="body-section">

<h3 class="heading">Ordered Items</h3>

<br>

<table class="table-bordered">

<thead>

<tr>

<th>Product</th>

<th class="w-20">Price</th>

<th class="w-20">Quantity</th>

<th class="w-20">Grandtotal</th>

</tr>

</thead>

<tbody>

<tr>

<td>IoT Arduino boards</td>

<td>10</td>

<td>1</td>

<td>10</td>

</tr>

<tr>

<td colspan="3" class="text-right">Sub Total</td>

<td> 7210.45</td>

</tr>

<tr>

<td colspan="3" class="text-right">Tax Total %</td>

<td> 2</td>

</tr>

<tr>

<td colspan="3" class="text-right">Grand Total</td>

<td> 9500.20</td>

</tr>

</tbody>

</table>

<br>

<h3 class="heading">Payment Status: Paid</h3>

<h3 class="heading">Payment Mode: Cash on Delivery</h3>

</div>

</div>

</body>

</html>

**Css code**

body{

background-color: #CCEEBC;

margin: 0;

padding: 0;

font-family: Lucida Grande,Lucida Sans Unicode,Lucida Sans,Geneva,Verdana,sans-serif;

}

h1,h2,h3,h4,h5,h6{

margin: 0;

padding: 0;

}

p{

margin: 0;

padding: 0;

}

.container{

width: 80%;

margin-right: auto;

margin-left: auto;

}

.brand-section{

background-color: rgba(0, 151, 19, 0.6);

padding: 10px 40px;

}

.logo{

width: 50%;

}

.row{

display: flex;

flex-wrap: wrap;

}

.col-6{

width: 50%;

flex: 0 0 auto;

}

.text-white{

color: #fff;

}

.company-details{

float: right;

text-align: right;

}

.body-section{

padding: 16px;

border: 1px solid gray;

}

.heading{

font-size: 20px;

margin-bottom: 08px;

}

.sub-heading{

color: #262626;

margin-bottom: 05px;

}

table{

background-color: #fff;

width: 100%;

border-collapse: collapse;

}

table thead tr{

border: 1px solid #111;

background-color: #f2f2f2;

}

table td {

vertical-align: middle !important;

text-align: center;

}

table th, table td {

padding-top: 08px;

padding-bottom: 08px;

}

.table-bordered{

box-shadow: 0px 0px 5px 0.5px gray;

}

.table-bordered td, .table-bordered th {

border: 1px solid #dee2e6;

}

.text-right{

text-align: end;

}

.w-20{

width: 20%;

}

.float-right{

float: right;

}

**4. Create a webpage from your Resume**

**Html code:**

<html>

<head><meta http-equiv=Content-Type content="text/html; charset=UTF-8">

<link rel="stylesheet" href="css/style.css">

<script type="text/javascript" src="49d555e2-83ce-11eb-8b25-0cc47a792c0a\_id\_49d555e2-83ce-11eb-8b25-0cc47a792c0a\_files/wz\_jsgraphics.js"></script>

</head>

<body>

<div style="position:absolute;left:50%;margin-left:-306px;top:0px;width:612px;height:792px;border-style:outset;overflow:hidden">

<div style="padding: 40px;text-align: center;background: rgb(139,163,212);color: white;font-size: 30px"></div>

<div style="position:absolute;left:26.16px;top:2.20px" class="cls\_002"><span class="cls\_002">SHEIK FAARUK.M</span></div>

<div style="position:absolute;left:38.29px;top:38.86px" class="cls\_004"><span class="cls\_004">sheikfaaruk@gmail.com</span>

<span class="cls\_003"> </span><span class="cls\_005"></br>

</span>

<span class="cls\_004">https://www.github.com/sheikfaaruk</span>

</div>

<div style="position:absolute;left:458.94px;top:38.86px" class="cls\_004"><span class="cls\_004">Phone +91 8610009625</span></div>

<div style="position:absolute;left:26.16px;top:100.68px" class="cls\_006"><span class="cls\_006">SUMMARY</span></div>

<div style="position:absolute;left:26.16px;top:129.36px" class="cls\_007"><span class="cls\_007">To attain a challenging position that o ers me an opportunity to utilize my knowledge and skills to grow with</span></div>

<div style="position:absolute;left:26.16px;top:140.14px" class="cls\_007"><span class="cls\_007">organization in the process of learning emerging changes in the relevant eld. open to any software positions to learn</span></div>

<div style="position:absolute;left:26.16px;top:150.92px" class="cls\_007"><span class="cls\_007">and implement new skills and technologies.</span></div>

<div style="position:absolute;left:26.16px;top:174.00px" class="cls\_006"><span class="cls\_006">EDUCATION</span></div>

<div style="position:absolute;left:90.59px;top:201.02px" class="cls\_008"><span class="cls\_008">2017 to 2021</span></div>

<div style="position:absolute;left:171.72px;top:200.88px" class="cls\_009"><span class="cls\_009">Sona College of Technology,salem</span></div>

<div style="position:absolute;left:171.72px;top:214.68px" class="cls\_010"><span class="cls\_010">B.Tech Information Technology</span></div>

<div style="position:absolute;left:26.16px;top:245.16px" class="cls\_006"><span class="cls\_006">SKILLS</span></div>

<div style="position:absolute;left:101.04px;top:273.12px" class="cls\_011"><span class="cls\_011">LANGUAGES</span></div>

<div style="position:absolute;left:171.72px;top:273.12px" class="cls\_007"><span class="cls\_007">C, C++, Python, Java</span></div>

<div style="position:absolute;left:67.68px;top:283.90px" class="cls\_011"><span class="cls\_011">WEB TECHNOLOGIES</span></div>

<div style="position:absolute;left:171.72px;top:283.90px" class="cls\_007"><span class="cls\_007">HTML, CSS, Javascript</span></div>

<div style="position:absolute;left:123.77px;top:295.40px" class="cls\_011"><span class="cls\_011">TOOLS</span></div>

<div style="position:absolute;left:171.72px;top:295.40px" class="cls\_007"><span class="cls\_007">VS code, Android Studio, CodeBlocks, Anaconda</span></div>

<div style="position:absolute;left:26.16px;top:327.10px" class="cls\_006"><span class="cls\_006">PROJECTS</span></div>

<div style="position:absolute;left:171.72px;top:354.13px" class="cls\_008"><span class="cls\_008">Weather Prediction</span></div>

<div style="position:absolute;left:171.72px;top:367.29px" class="cls\_007"><span class="cls\_007">IOT Live Weather Station Monitoring Using NodemCU ESP8266 This post is all about IoT based Live Weather</span></div>

<div style="position:absolute;left:171.72px;top:378.07px" class="cls\_007"><span class="cls\_007">Station Monitoring Using NodemCU ESP8266. It will measure humidity, temperature, Barometric pressure,</span></div>

<div style="position:absolute;left:171.72px;top:388.85px" class="cls\_007"><span class="cls\_007">and rainfall and upload the data to a web server.</span></div>

<div style="position:absolute;left:171.72px;top:404.45px" class="cls\_008"><span class="cls\_008">Face recognition</span></div>

<div style="position:absolute;left:171.72px;top:417.60px" class="cls\_007"><span class="cls\_007">Prediction of Percentage of the accuracy to nd user and Unknown Person using CNN algorithm and UI node</span></div>

<div style="position:absolute;left:26.16px;top:440.68px" class="cls\_006"><span class="cls\_006">AWARDS</span></div>

<div style="position:absolute;left:171.72px;top:468.43px" class="cls\_008"><span class="cls\_008">Certifications</span></div>

<div style="position:absolute;left:189.69px;top:481.58px" class="cls\_007"><span class="cls\_007">Demystifying Networking-NPTEL.</span></div>

<div style="position:absolute;left:189.69px;top:492.36px" class="cls\_007"><span class="cls\_007">Arti cation Intelligence-Futureskills .</span></div>

<div style="position:absolute;left:189.69px;top:503.14px" class="cls\_007"><span class="cls\_007">Internet of Thinks (iot)-Internshala .</span></div>

<div style="position:absolute;left:189.69px;top:513.93px" class="cls\_007"><span class="cls\_007">Machine Learning & Deep Learning with Python - IBM SmartBridge Educational Services.</span></div>

<div style="position:absolute;left:189.69px;top:524.71px" class="cls\_007"><span class="cls\_007">Cyber Security & Pentration Testing - IBM SmartBridge Educational Services.</span></div>

<div style="position:absolute;left:171.72px;top:546.78px" class="cls\_008"><span class="cls\_008">Achievments</span></div>

<div style="position:absolute;left:189.69px;top:559.93px" class="cls\_007"><span class="cls\_007">National Science day Winner for Google assistant using raspberry pi</span></div>

<div style="position:absolute;left:189.69px;top:570.71px" class="cls\_007"><span class="cls\_007">ERA Error Recovery third Place in CIT</span></div>

<div style="position:absolute;left:26.16px;top:601.70px" class="cls\_006"><span class="cls\_006">ACTIVITIES</span></div>

<div style="position:absolute;left:171.72px;top:628.72px" class="cls\_008"><span class="cls\_008">Internships</span></div>

<div style="position:absolute;left:175.87px;top:641.88px" class="cls\_007"><span class="cls\_007">SmartBridge Educational Services,Hyderabed</span></div>

<div style="position:absolute;left:189.69px;top:652.66px" class="cls\_007"><span class="cls\_007">Successfully submitted a project "Face regcognition" that involves Machine Learning and Deep Learning</span></div>

<div style="position:absolute;left:189.69px;top:663.44px" class="cls\_007"><span class="cls\_007">with Python 2019</span></div>

<div style="position:absolute;left:175.87px;top:674.22px" class="cls\_007"><span class="cls\_007">SmartBridge Educational Services,Hyderabed</span></div>

<div style="position:absolute;left:189.69px;top:685.01px" class="cls\_007"><span class="cls\_007">Successfully completed Cyber Security CTF (Capture the Flag) tasks by performing Vulnerability</span></div>

<div style="position:absolute;left:189.69px;top:695.79px" class="cls\_007"><span class="cls\_007">Assessment and Penetration Testing (VAPT) on a website. 2020</span></div>

<div style="position:absolute;left:171.72px;top:718.58px" class="cls\_008"><span class="cls\_008">Workshops Attended</span></div>

<div style="position:absolute;left:189.69px;top:731.73px" class="cls\_007"><span class="cls\_007">Attended a Workshop on Deep Learning in NIT</span></div>

<div style="position:absolute;left:189.69px;top:742.51px" class="cls\_007"><span class="cls\_007">Attended Cyber Security workshop in VIT</span></div>

<div style="position:absolute;left:189.69px;top:753.30px" class="cls\_007"><span class="cls\_007">Attended Iot Hackathon and Ethical hacking workshop</span></div>

</div>

</body>

</html>

**CSS Code:**

span.cls\_002{

font-family:Arial,serif;

font-size:30.2px;

color:rgb(255,255,255);

font-weight:normal;

font-style:italic;

text-decoration: none

}

div.cls\_002{

font-family:Arial,serif;

font-size:30.2px;

color:rgb(255,255,255);

font-weight:normal;

font-style:italic;

text-decoration: none

}

span.cls\_005{

font-family:Arial,serif;

font-size:10.1px;

color:rgb(0,0,0);

font-weight:normal;

font-style:normal;

text-decoration: none

}

div.cls\_005{

font-family:Arial,serif;

font-size:10.1px;

color:rgb(0,0,0);

font-weight:normal;

font-style:normal;

text-decoration: none

}

span.cls\_004{

font-family:Arial,serif;

font-size:10.1px;

color:rgb(0,0,0);

font-weight:normal;

font-style:italic;

text-decoration: none

}

div.cls\_004{

font-family:Arial,serif;

font-size:10.1px;

color:rgb(0,0,0);

font-weight:normal;

font-style:italic;

text-decoration: none

}

span.cls\_003{

font-family:Arial,serif;

font-size:10.1px;

color:rgb(0,0,0);

font-weight:normal;

font-style:normal;

text-decoration: none

}

div.cls\_003{

font-family:Arial,serif;

font-size:10.1px;

color:rgb(0,0,0);

font-weight:normal;

font-style:normal;

text-decoration: none

}

span.cls\_006{

font-family:Arial,serif;

font-size:15.1px;

color:rgb(139,163,212);

font-weight:normal;

font-style:italic;

text-decoration: none

}

div.cls\_006{

font-family:Arial,serif;

font-size:15.1px;

color:rgb(139,163,212);

font-weight:normal;

font-style:italic;

text-decoration: none

}

span.cls\_007{

font-family:Arial,serif;

font-size:8.0px;

color:rgb(0,0,0);

font-weight:normal;

font-style:normal;

text-decoration: none

}

div.cls\_007{

font-family:Arial,serif;

font-size:8.0px;

color:rgb(0,0,0);

font-weight:normal;

font-style:normal;

text-decoration: none

}

span.cls\_008{

font-family:Arial,serif;

font-size:9.7px;

color:rgb(0,0,0);

font-weight:normal;

font-style:italic;

text-decoration: none

}

div.cls\_008{

font-family:Arial,serif;

font-size:9.7px;

color:rgb(0,0,0);

font-weight:normal;

font-style:italic;

text-decoration: none

}

span.cls\_009{

font-family:Arial,serif;

font-size:11.3px;

color:rgb(0,0,0);

font-weight:normal;

font-style:italic;

text-decoration: none

}

div.cls\_009{

font-family:Arial,serif;

font-size:11.3px;

color:rgb(0,0,0);

font-weight:normal;

font-style:italic;

text-decoration: none

}

span.cls\_010{

font-family:Arial,serif;

font-size:9.7px;

color:rgb(0,0,0);

font-weight:normal;

font-style:normal;

text-decoration: none

}

div.cls\_010{

font-family:Arial,serif;

font-size:9.7px;

color:rgb(0,0,0);

font-weight:normal;

font-style:normal;

text-decoration: none

}

span.cls\_011{

font-family:Arial,serif;

font-size:8.0px;

color:rgb(0,0,0);

font-weight:normal;

font-style:italic;

text-decoration: none

}

div.cls\_011{

font-family:Arial,serif;

font-size:8.0px;

color:rgb(0,0,0);

font-weight:normal;

font-style:italic;

text-decoration: none

}