## Inflement the text file

Aim: To Troduce a voicus dest file of Python bedrau uil

## Algorithm:

1. Start - the Brogram

- 2. Print a welcome nessage: outrus a simile Swelling
- 3 Determine and Point the number of students uses len() to find the number of element in the students-rome list
- 4. Print the tyle of list: uses tyle () to show the type of the student - names and Student - grades 1:345
- 5. Find and mint higher and lowest grades: uses max () and min() and min () to determine the Highest and lowest value instudents.
- 6 Print sorted list of grodes: uses sortede)

to sort the grades

7. Print sieuersed list of grades: uses sieuersed () to steverse the sorted list and annuals

hell a lish

8. Evenuele and Print a vonge indices users agge () to create a lost of indices from i to the

outret Onler the score 160 grade 150 1 18 1' 1000 ' with ' smor' } from ( Opp ) and ( del) Shapalo or fabile , 3 ( book oby 3 horse) Charlet hale and other by those is pitally putate

```
number of students
a sto?
 Brachow
   del analyze - student - good dest();
    41 sample dola
     Student - romes = ("Alica", " Bob", "charlic", "Diane")
     Student - goodes : (85,92,78,90]
   # 1. Point a welcome message
    Pound ("welkome to the Stodent Conades Analyser! In")
   It a. Petermine and Print the number of students
    num - students = len (student - nomes)
    Print (" Number of Students "num-students)
   # 3 Print the type of the student names list and
       the greades list
     Pount ("Injule - of studen - nomes list "type (student
      rames))
     Print ("Type of student-grades list,", type (student
      -grades ))
   # 4. Find and Pount the highest and lowest grade
       highest -grade = max (student - grades)
      Lowest - grade = min (student-grades)
        Print (" In Highest grade", highest - grade)
        Point ("lowest grade, "lowest-grade)
   # 5 Print - The list of grades and
    sorted - grodes = sorted (student - grodes)
```

Paint ("Insorted grades", sorted-grades)

## 6. Paint the 1st of grades in sieucise order

sieuersed-grades = 1st (sieuersid (sorted-grades))

Paint ("Reversed grades"; sieuersed-grades).

## 7. Frenevale and Point a varge of grade indired

from 1 to the number of student grade-indiced

= 1.51 (2007e (1. num. student ti))

Point ("In Grade indired from 1 to number of students
grade-indires)

analyze - student - gro da ()

Rosult: Thus the c Thogram to intremen!

The various text file is executed

verified successfully.

Alm: To write the Bellon Programming of world dept file

## Algorithm.

1. start the Program

The user to entex two number. The Brighow Brown is

3. user Island for oberation The Brogram Bromble
the user to choose an arithmetic oberation

4. Portorn oreradion based on the user choice the Brogram Pertorn the chosen on tithmic oreradion using the defined function

5 Distriby Result: The Program distriby the sexul.

8. Sto?

buchow

def add (a,b):

unu Return the sum of two number:"""

steturn a+b

def subt start (a,b):

ouland in the same The first 10 radural numbers are Washing - Lievaus : ashere borrous ") fords captors with out 12 ( ) shop Indute - sylono 10

```
in " Retorn - The difference between two numbers."
meturn a-b
def multiply (a,b)
  """ Return the Broduct of two number """
  return at b
 def. divide (a.b);
     Return the quotient of two number thandless
  division by ten ""
 if 61 =0
    retorn alb
  else !
  setura "Error Division by zero"
 del goreet (rome):
 return P" Hdo I nome I! welcom, to the Program"
def main ()
 # Demonstrating the uses of user-defined furetion
# Azithmetic operations
 Upm 1 = 10
  num 2 = 5
 Print ("Agrithmetic oPerations!")
Print (4 sum of Enum 13 and Enum 23 1" add (num!
 nom 21)
Print (P' Defference between Enumi} and Inum 2%:
 Subtract (num 1, num2))
Print (f" Broduct of from fond from ): "multiply
 (num 1 , num 2))
```

# Execting the user

User-rame = "Alice"

Posint ("Intoberting.")

Posint (gover (user-name))

# Run the main function

if -rame = = "-main -".

main ()

VEL TECH - CSE	
EX NO.	6
PERFORMANCE (5)	5
RESULT AND ANALYSIS (3)	3
VIVA VOCE (3)	3
RECORD (4)	4
TOTAL (15)	
SIGN WITH DATE	15

\*

concepts was successfully executed and the