

```
In [1]: names = list()
        ages = list()
        genders = list()
        phones = list()
        #list of arrays used
```

```

In [2]: import pandas as pd
import xlswriter                                     #importing the xlswriter package for further processing
import win32com.client as win32
import openpyxl
from xlrd import open_workbook

def write():
    workbook = xlswriter.Workbook('LIST1.xlsx')      #opening a excel workbook() in the name given inside the called f
    unction
    worksheet = workbook.add_worksheet()            #adding new worksheet to the workbook using add_worksheet() functi
    on

    cell1 = workbook.add_format()                  #add_format() is used to add a new cell format for styling purpose
    cell1.set_bold()                                #set_bold() : Turn on bold for the format font
    cell1.set_font_size(20)                         #set_font_size(size) : Set the size of the font used in the cell.

    cell2 = workbook.add_format()                  #adding another cell format with different name
    cell2.set_font_name('MONOTON')                  #set_font_name('style') : Specify the font used used in the cell.

    worksheet.write('A1', 'NAME', cell1)           #writing into the sheet using cell notation
    row = 1                                         #initializing the value of row to 1
    column = 0                                     #initializing the value of column to 0
    for item in names :                            #running for loop till all the name are written into the sheet
        worksheet.write(row, column, item)         #write the values from the array declared above one by one into ea
    ch cell
        row += 1                                   #incrementing the value of row, row=row+1

    worksheet.write('B1', 'AGE', cell2)
    row = 1
    column=1
    for item in ages :
        worksheet.write(row, column, item)
        row += 1

    worksheet.write('C1', 'GENDER')
    row = 1
    column=2
    for item in genders :
        worksheet.write(row, column, item)
        row += 1

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worksheet.write('D1', 'PHONE NUMBER')
row = 1
column=3
for item in phones :
    worksheet.write(row, column, item)
    row += 1
workbook.close() #closing the workbook after completion of procedure

def autofit():
    #this whole set of code is used to autofit the size of each cell asper the size of the
    input data
    excel = win32.gencache.EnsureDispatch('Excel.Application')
    wb = excel.Workbooks.Open('C:\Users\Abhishek\LIST1.xlsx')
    ws = wb.Worksheets("Sheet1")
    ws.Columns.AutoFit()
    wb.Save()
    excel.Application.Quit()

def intro():
    print '-----'
    print 'Welcome'
    print 'The things u can do here are:'
    print '1.Adding value to the excel file'
    print '2.Deleting a perticular detail'
    print '3.Print a persons detail'
    print '4.Print a column'
    print '5.Exit function'
    arg= raw_input("Enter the operation you want to perform:")

    if arg=='1':
        add_val()
    elif arg=='2':
        del_val()
    elif arg=='3':
        row_dis()
    elif arg=='4':
        col_dis()
    else:
        print "Thank you for using this"

def add_val():

```

```

num = raw_input("Enter how many entries u wanna make:")    #using raw_input() for small inputs
print 'Enter the list: '
for i in range(int(num)):
    print ("\nDETAIL %d" %(i+1))
    name = raw_input("name :")
    names.extend([name])
    age = raw_input("age :")
    ages.extend([int(age)])
    gender = raw_input("gender(M\F\T) :")
    genders.extend([gender])
    phone = raw_input("phone number :")
    phones.extend([int(phone)])
write()
autofit()
intro()

def del_val():
    name=raw_input("Enter the name you want to delete:")
    i=0
    while i < len(names):
        if names[i] == name:
            del names[i]
            del ages[i]
            del genders[i]
            del phones[i]
        else:
            i += 1
    write()
    autofit()
    intro()

def row_dis():
    book = open_workbook("C:\Users\Abhishek\LIST1.xlsx")
    i=raw_input("Enter the name whose details you want to see:")
    for sheet in book.sheets():
        for rowidx in range(sheet.nrows):
            row = sheet.row(rowidx)
            for colidx, cell in enumerate(row):
                if cell.value == i :
                    print '-----'
                    print sheet.row_values(rowidx)

```

```
intro()

def col_dis():
    print 'Column u can see are:'
    print '1.Name'
    print '2.Age'
    print '3.Gender'
    print '4.Phone Numbers'
    i=raw_input("Enter the column name u want to see:")
    print '-----'
    if i=='1':
        for x in range(len(names)):
            print names[x]
    elif i=='2':
        for x in range(len(ages)):
            print ages[x]
    elif i=='3':
        for x in range(len(genders)):
            print genders[x]
    elif i=='4':
        for x in range(len(phones)):
            print phones[x]
    else:
        print 'No such column exist'
    intro()
```

In [3]: `intro()`

Welcome

The things u can do here are:

- 1.Adding value to the excel file
- 2.Deleting a perticular detail
- 3.Print a persons detail
- 4.Print a column
- 5.Exit function

Enter the operation you want to perform:1

Enter how many entries u wanna make:1

Enter the list:

DETAIL 1

name :Abhishek

age :20

gender(M\F\T) :M

phone number :9113649638

Welcome

The things u can do here are:

- 1.Adding value to the excel file
- 2.Deleting a perticular detail
- 3.Print a persons detail
- 4.Print a column
- 5.Exit function

Enter the operation you want to perform:1

Enter how many entries u wanna make:2

Enter the list:

DETAIL 1

name :Ashutosh

age :10

gender(M\F\T) :M

phone number :9481002469

DETAIL 2

name :Sasmita

age :44

gender(M\F\T) :F

phone number :8029737030

```
Welcome
The things u can do here are:
1.Adding value to the excel file
2.Deleting a perticular detail
3.Print a persons detail
4.Print a column
5.Exit function
Enter the operation you want to perform:3
Enter the name whose details you want to see:Abhishek
-----
[u'Abhishek', 20.0, u'M', 9113649638.0]
```

```
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Welcome
The things u can do here are:
1.Adding value to the excel file
2.Deleting a perticular detail
3.Print a persons detail
4.Print a column
5.Exit function
Enter the operation you want to perform:4
Column u can see are:
1.Name
2.Age
3.Gender
4.Phone Numbers
Enter the column name u want to see:1
```

```
-----
Abhishek
Ashutosh
Sasmita
-----
```

```
-----
Welcome
The things u can do here are:
1.Adding value to the excel file
2.Deleting a perticular detail
3.Print a persons detail
4.Print a column
5.Exit function
Enter the operation you want to perform:4
Column u can see are:
1.Name
2.Age
```


3.Gender
4.Phone Numbers
Enter the column name u want to see:2

20
10
44

Welcome
The things u can do here are:
1.Adding value to the excel file
2.Deleting a perticular detail
3.Print a persons detail
4.Print a column
5.Exit function
Enter the operation you want to perform:4
Column u can see are:

1.Name
2.Age
3.Gender
4.Phone Numbers
Enter the column name u want to see:3

M
M
F

Welcome
The things u can do here are:
1.Adding value to the excel file
2.Deleting a perticular detail
3.Print a persons detail
4.Print a column
5.Exit function
Enter the operation you want to perform:4
Column u can see are:

1.Name
2.Age
3.Gender
4.Phone Numbers
Enter the column name u want to see:4

9113649638
9481002469
8029737030

Welcome

The things u can do here are:

- 1.Adding value to the excel file
- 2.Deleting a perticular detail
- 3.Print a persons detail
- 4.Print a column
- 5.Exit function

Enter the operation you want to perform:2

Enter the name you want to delete:Ashutosh

Welcome

The things u can do here are:

- 1.Adding value to the excel file
- 2.Deleting a perticular detail
- 3.Print a persons detail
- 4.Print a column
- 5.Exit function

Enter the operation you want to perform:4

Column u can see are:

- 1.Name
- 2.Age
- 3.Gender
- 4.Phone Numbers

Enter the column name u want to see:1

Abhishek

Sasmita

Welcome

The things u can do here are:

- 1.Adding value to the excel file
- 2.Deleting a perticular detail
- 3.Print a persons detail
- 4.Print a column
- 5.Exit function

Enter the operation you want to perform:1

Enter how many entries u wanna make:1

Enter the list:

DETAIL 1

name :Ashutosh

age :11

gender(M\F\T) :M

phone number :9481002460

Welcome

The things u can do here are:

1.Adding value to the excel file

2.Deleting a perticular detail

3.Print a persons detail

4.Print a column

5.Exit function

Enter the operation you want to perform:4

Column u can see are:

1.Name

2.Age

3.Gender

4.Phone Numbers

Enter the column name u want to see:1

Abhishek

Sasmita

Ashutosh

Welcome

The things u can do here are:

1.Adding value to the excel file

2.Deleting a perticular detail

3.Print a persons detail

4.Print a column

5.Exit function

Enter the operation you want to perform:5

Thank you for using this