Name :- sushant survase .

Div :- D

Roll NO :- 462

# This is simplest Student data management program in python

# Create class "Student"

class Student:

# Constructor

def \_\_init\_\_(self, name, rollno, m1, m2):

self.name = name

self.rollno = rollno

self.m1 = m1

self.m2 = m2

# Function to create and append new student

def accept(self, Name, Rollno, marks1, marks2):

# use ' int(input()) ' method to take input from user

ob = Student(Name, Rollno, marks1, marks2)

ls.append(ob)

# Function to display student details

def display(self, ob):

print("Name : ", ob.name)

print("RollNo : ", ob.rollno)

print("Marks1 : ", ob.m1)

print("Marks2 : ", ob.m2)

print("\n")

# Search Function

def search(self, rn):

for i in range(ls.\_\_len\_\_()):

if(ls[i].rollno == rn):

return i

# Delete Function

def delete(self, rn):

i = obj.search(rn)

del ls[i]

# Update Function

def update(self, rn, No):

i = obj.search(rn)

roll = No

ls[i].rollno = roll

# Create a list to add Students

ls = []

# an object of Student class

obj = Student('', 0, 0, 0)

print("\nOperations used, ")

print("\n1.Accept Student details\n2.Display Student Details\n3.Search Details of a Student\n4.Delete Details of Student\n5.Update Student Details\n6.Exit")

# ch = int(input("Enter choice:"))

# if(ch == 1):

obj.accept("A", 1, 100, 100)

obj.accept("B", 2, 90, 90)

obj.accept("C", 3, 80, 80)

# elif(ch == 2):

print("\n")

print("\nList of Students\n")

for i in range(ls.\_\_len\_\_()):

obj.display(ls[i])

# elif(ch == 3):

print("\n Student Found, ")

s = obj.search(2)

obj.display(ls[s])

# elif(ch == 4):

obj.delete(2)

print(ls.\_\_len\_\_())

print("List after deletion")

for i in range(ls.\_\_len\_\_()):

obj.display(ls[i])

# elif(ch == 5):

obj.update(3, 2)

print(ls.\_\_len\_\_())

print("List after updation")

for i in range(ls.\_\_len\_\_()):

obj.display(ls[i])

# else:

print("Thank You !")

Output :-

Operations used,

1.Accept Student details

2.Display Student Details

3.Search Details of a Student

4.Delete Details of Student

5.Update Student Details

6.Exit

List of Students

Name : A

RollNo : 1

Marks1 : 100

Marks2 : 100

Name : B

RollNo : 2

Marks1 : 90

Marks2 : 90

Name : C

RollNo : 3

Marks1 : 80

Marks2 : 80

Student Found,

Name : B

RollNo : 2

Marks1 : 90

Marks2 : 90

2

List after deletion

Name : A

RollNo : 1

Marks1 : 100

Marks2 : 100

Name : C

RollNo : 3

Marks1 : 80

Marks2 : 80

2

List after updation

Name : A

RollNo : 1

Marks1 : 100

Marks2 : 100

Name : C

RollNo : 2

Marks1 : 80

Marks2 : 80

Thank You !