① class Student:

```
def __init__(self, name, sub1, sub2, sub3):
    self.name = name
    self.sub1 = sub1
    self.sub2 = sub2
    self.sub3 = sub3

def calculateResult(self):
    average = 0
    if self.sub1 >40 and self.sub2 >40 and self.sub3>
        average = (self.sub1 + self.sub2 + self.sub3)/3
    return average

class School:
    def __init__(self, sch_name, studentDict):
        self.sch_name = sch_name
        self.studentDict = studentDict

    def getStudentResult(self): passed_student = []
        for i in self.studentDict:
            if i.calculateResult() >60:
                self.studentDict[i] = 'pass'
                passed_student.append(i.name)
        return passed_student

    def findStudentWithHighestMarks(self):
        maximum = 0
        for i in self.studentDict:
            if i.calculateResult() > maximum:
                maximum = average
                topper = i.name
        return topper
```

Lakshmi

```
if __name__ == '__main__':
    count = int(input()) , studentDict = {}
    for i in range(count):
        name = input()
        sub1 = float(input())
        sub2 = float(input())
        sub3 = float(input())
        studentDict[Student(name, sub1, sub2, sub3)] = 'fail'
    sch_name = input()
    s = School(sch_name, studentDict)
    p = s.getStudentResult
    if p:
        for j in p:
            print(j)
        print(s.findStudentWithHighestMarks())
    else:
        print('No Student Passed')
```

② class container:

```
    def __init__(self, cid, length, breadth, height,
                 pricepersqrft):
        self.cid = cid
        self.length = length
        self.breadth = breadth
        self.height = height
        self.pricepersqrft = pricepersqrft

    def findvolume(self):
        return self.length * self.breadth * self.height;

class PackagingCompany:
    def __init__(self, containerlist):
        self.containerlist = containerlist;

    def findcontainercost(self, pid):
        for con in (self.containerlist):
            if(con.cid == pid):
                return con.findvolume() * con.pricepersqft

        return None

    def findlargestContainer(self):

        vol = 0;
        obj = None;

        for con in (containerlist):
            if (con.findvolume() > vol):
                vol = con.findvolume()
                obj = con;
        return obj
```

Lakshmi

```
containerlist = []
n = int(input())

for i in range(n):

    cid = int(input())
    length = int(input())
    breadth = int(input())
    height = int(input())
    priceperSqrft = int(input())
    containerlist.append(container(cid, length, breadth,
                                   height, priceperSqrft))

pc = packagingcompany(containerlist)
iid = int(input())

x = pc.findcontainercost(iid)

if(x!=None):
    print(x)
else:
    print("No such container found")

y = pc.findlargestContainer()

print(y.cid, end=" ")
print(y.findvolume())
```