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Class Assigment 2

Question 1)

```
class Student():
    def __init__(self,name,credit,qpoints):
        self.name = name;
        self.credit = float(credit)
        self.qpoints = float(qpoints)
    def gpa(self):
        return self.qpoints/self.credit
    def __str__(self):
        return self.name + ", " + str(self.credit) + ", " + str(self.qpoints)
f=open('data.txt', 'r')
data = f.readlines()
students=[]


for x in data:
    s = x.split()
    students.append(Student(s[0],s[1],s[2]))


gp=[]
for x in students:
    e = x.gpa()
    gp.append(e)


maxs =0
for x in gp:
    if maxs<x:
        maxs =x
```

```
print(maxs)
```

Output: 4.0

Question 2)

```
class BMI():
    def __init__(self,name,id,weight,height):
        self.name = name;
        self.id=id;
        self.credit = float(weight)
        self.qpoints = float(height)
    def bmis(self):
        return self.weight/self.height
    def __str__(self):
        return self.name + ", " + str(self.weight) + ", " + str(self.height)



f=open('bmi.txt', 'r')
data = f.readlines()
bmis=[]

for x in data:
    s = x.split()
    bmis.append(BMI(s[0],s[1],s[2],s[3]))

we=[]
for x in bmis:
    e = x.we()
```

```
    we.append(e)
print(we)
```