**LAB4**

**Grade computation formula:**  
  
Grade pointer table

|  |  |
| --- | --- |
| A | 10 |
| A- | 9 |
| B | 8 |
| B- | 7 |
| C | 6 |
| C- | 5 |

Each Subject will have credits (6 or 4) . Multiply that by 10. Do this for each subject.  
Add all subject’s credit. Eg ( sub1 => 4 credits become => 40 ||| sub2 => 6 credits become 60)  
  
Adding them we get 100 credit points. (in this case it's 100, it varies based on numbre of subjects)  
  
Now look at the grade scored by student, it’ll be A, A- or B some such grade.  
  
Map it to what pointer it means. Eg A => 10.  
Say for **sub1 stud X has scored A**, we see that it is 10, take that 10 and multiply it with 4 (**if it is a 4 credit subject or 6 if it is a 6 credit subject)** , **we get 60**.

|||y **if he has scored B- in some subject**, it maps to 7, multiply 7 with 4, **we get 28**.  
  
**Add 60 and 28 we get 88, divide this by total credit points which is 100, so the output CGPA is 8.88**  
  
Similarly now apply this for your question!