Total Salary

Problem Description: You have to calculate the rounded off total salary of a person by using the formula: totalSalary = basic + hra + da + allow – pf, where hra = 20% of basic, da = 50% of basic, allow = 1700, if grade = ‘A’, allow = 1500, if grade = ‘B’, allow = 1300, if grade = ‘C' or any other character, pf = 11% of basic. “basic” and the “grade” will be taken as input from the user.

How to Approach?

1. Take basic and grade as input from the user.
2. Calculate hra, da, pf by using basic.
3. Check for the grade and then take the allowance corresponding to it.
4. Calculate total salary by using basic, hra, da, pf and allowance calculated above.
5. Round off the total salary using library function and then print it.

Pseudo Code for this problem:

```
input=basic
input=grade
hra = 0.2 * basic
da = 0.5 * basic
if(grade == 'A') :
    allowance = 1700
else if(grade == 'B') :
    allowance = 1500
 else :
    allowance = 1300
pf = 0.11 * basic
totalSalary = basic + hra + da + allowance - pf
ans = round(totalSalary)
print(ans)
```

- Let us dry run the code:

  basic=10000

  grade= ‘A’

- hra=0.2*10000=2000
- da=0.5*10000=5000
- Now, we have grade='A', so allowance=1700
- pf=0.11*10000=1100
- Total salary=10000+2000+5000+1700-1100=17600
- Rounding off will keep it 17600 which is our output print it.