



# Python from Scratch Weekly Assignment

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## WEEK 1: Python Basics Assignment

Q1. Calculate the Salary using Python Programming

Read the question carefully and follow the input and output format.

Karen got salary for this month and she spends 20% of her salary for food, 10% of her salary for entertainment and 10% of her salary for travel. If she takes care of other shifts she will get 4% of the salary per day. Given her salary and the number of shifts she handled. Calculate how much she can save in her pocket after spending all these?

Input and Output Format : First line of input consists of an integer, salary. Next line correspond to the number of shifts. Output consist of an integer, which is saving.

1. Print "Salary too large" when salary is greater than 10000.
2. Print "Shifts too small" when the shift is less than 0.
3. Print "Salary too small" when the salary is less than 0.

- Sample Input 1:  
7000  
5  
Sample Output 1:  
5600  
- Sample Input 2:  
80000  
Sample Output 2:  
Salary too large  
- Sample Input 3:  
6000  
-1  
Sample Output 3:  
Shift too small

```
In [ ]: salary=int(input("Enter the salary="))
shifts=int(input("enter the no of shifts="))
#TODO: Write your code Here
#hint use if-elif Conditional Statemets
```

Q2. write python code to read n as integer, from input(). For all non-negative integers i<n ,print i\*\*2.

Example

The list of non-negative integers that are less than n=3 is [0,1,2]. Print the square of each number on a separate line.

0  
1  
4

Input Format

The first and only line contains the integer, n .

Output Format

Print n lines, one corresponding to each i .

Sample Input

5

Sample Output

0  
1  
4  
9  
16

```
In [ ]: n=int(input("enter the value="))
# TODO: Write your code Here
#hint use for loop
```

```
enter the value=5
0
1
4
9
16
```

Q3. Write a program to calculate the sum of numbers from 1 to 20 which are not divisible 2, 3 or 5.

Sample Input:

Numbers from 1 to 20 which are not divisible by 2, 3, and 5

1  
7  
11  
13  
17  
19

Sample Output:

sum of numbers from 1 to 20 which are not divisible 2, 3 or 5 = 68

```
In [ ]: Sum=0
print("Numbers from 1 to 20 which are not divisible by 2,3,or 5")
#TODO: Write your code Here
#hint use for loop and if- else condition
```