Q.1 WAP to input number of seconds and print it in form HH:MM:SS. Like for 4000 seconds it will be 01:06:40.

Q.2 Mr. jone has two walls of different dimensions such that their dimensions are to be given input in feet and inches (width and height both). He visited painter to color both sticks such that cost of color is 120/- per square meter. Find total cost of painting both walls. Bill should contain details of painting cost of each along with total cost.

Q.3 Write a program to calculate BMI of a person after inputting the weight in kgs and height in meters and then print the nutritional status as per the given table

BMI	Nutritional Status
< 18.5	Underweight
18.5-24.9	Normal
25-29.9	Overweight
>= 30	Obese

Q. 4 Write a program to check if the given number is Armstrong or not?

Q.5 print following pattern using loop
```
      2
    3 5
  7 11 13
 17 19 23 29
31 37 41 43 47
```

Q.6 WAP to make a list of distinct elements from a list?

Q.7 Take a String input from user and find frequency of each character such that frequency will be stored in dictionary. The character will be key and the frequency will be value?

Q.8 Write a python program to check whether two lists are circularly identical or not?
```
e.g. 10, 10, 0, 0, 10 and 10, 10, 10, 0, 0 are circularly identical
```

Q.9 Consider the dictionaries d1 and d2.

```
dictionary-1: contains marks of first semester (Roll No is key and marks is
value)
{
     RTU_Roll_No1:76.00
     RTU_Roll_No2:45.00
     RTU_Roll_No3:58.00
     ...
     ...
}

dictionary-2: contains marks of second semester (Roll No is key and marks is
value)
{
     RTU_Roll_No1:65.00
     RTU_Roll_No3:75.00
     ...
}
find dictionary-3 that contains average marks of both semesters
{
     RTU_Roll_No1:70.50
     RTU_Roll_No2:22.5
     RTU_Roll_No3:65.5
     ...
```

```
}
```

Q.10 Take two dictionaries [directly create them in source code, no need to take input] and pass the to a function such that function will return a disjoint dictionary [i.e. the dictionary to be returned does not have any common key:value of both dictionaries]