PHASE-1

TASK 1-Pranav, an enthusiastic kid visited the "Fun Fair 2017" along with his family. His father wanted him to purchase entry tickets from the counter for his family members. Being a little kid, he is just learning to understand about units of money. Pranav has paid some amount of money for the tickets but he wants your help to give him back the change of Rs. N using minimum number of rupee notes.
Consider a currency system in which there are notes of seven denominations, namely, Rs. 1, Rs. 2, Rs. 5, Rs. 10, Rs. 50, Rs. 100. If the change given to Pranav Rs. N is input, write a program to computer smallest number of notes that will combine to give Rs. N.
Input format:
First line of the input is an integer N, the change to be given to Pranav.
output format:
Output should display the the smallest number of notes that will combine to give N.
sample test cases:
input 1 : 1200 - output 1 : 12
input 2 : 242 - output 2 : 7

CODE:

```
import java.util.Scanner; //to recieve inputs of primitive types like int,double,etc as well as strings
public class task1A{
    Run | Debug
    public static void main(String[]args){
        Scanner scanner=new Scanner(System.in); //System.in means to take input from keyboard or user

        System.out.print(s:"Enter the amount of change to be given:");//asking the user to input the amount of
        int change=scanner.nextInt(); //storing the input in "change" with type "integer"

        int min_notes=MinimumNotes(change);//storing the number of notes in "min_notes" with type "integer"

        System.out.println("Minimum number of notes:"+min_notes);//Output the result

        scanner.close();
    }
```

```
    public static int MinimumNotes(int change){
        int[] notes={100,50,10,5,2,1};//notes available
        int count=0;//initializing the number of notes for change as 0
        for (int x:notes){ //iterating over each note, considering each value as "x"
            if (change>=x){
                count+=change/x;
                change=change%x;
            }
        }
    return count;
    }
}
```

OUTPUT:

```
Enter the amount of change to be given:89
Minimum number of notes:7
```