

INTERNSHIP TASKS

Dear
INTERN,

INTERNSHIP DOMAIN : JAVA
INTERNSHIP DURATION : TWO MONTHS

PHASE 1

TASK 1A -

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

TASK 1B -

Fantasy Kingdom" is a brand new Amusement park that is going to be inaugurated shortly in the City and is promoted as the place for breath-taking charm. The theme park has more than 30 exhilarating and thrilling rides and as a special feature of the park, the park Authorities have placed many Booking Kiosks at the entrance which would facilitate the public to purchase their entrance tickets and ride tickets. There are few rides in the park which are not suitable for Children and aged people, hence the park Authorities wanted to program the kiosks to issue the tickets based on people's age. If the age given is less than 15 (Children) or greater than 60 (Aged), then the system should display as "Not Allowed", otherwise it should display as "Allowed". Write a block of code to help the Authorities program this functionality.

Input format :

First line of the input is an integer that corresponds to the age of the person opting for the ride.

Output format :

Output should display "Allowed" or "Not Allowed" based on the conditions given.

sample test cases:

input 1: 20	-	output 1: Allowed
input 2: 12	-	output 2: Not Allowed

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PHASE 2

TASK 2A - Write a program to calculate the sum of odd and even digits in a number. The input consists of a single integer 'n' which corresponds to the given number. The output must display the sum of odd numbers and even numbers.

Input format:

Input consists of a long number.

output format:

Output prints the sum of odd numbers and even numbers separated by a space.

sample test cases:

input : 3924209420352 - output : 29 16

TASK 2B - Mona set off with great zeal to the "Fun Fair 2017". There were numerous activities in the fair, though Mona liked the Candy game. Delicious candies were wrapped in colourful foiled sheets with some random numbers on each of the candies. The game coordinators then formed many groups of few candies together, such that each candy group makes an integer and hid them all around the room. The objective of the game is that the players should look for the occurrences of number four anywhere in the integers (candy groups) placed in the room.

Mona started off with the game where there are many such integers, for each of them she should calculate the number of occurrences of the digit 4 in the decimal representation. Can you please help her in succeeding the game?

Input format :

The only line of input contains a single integer from the candy group.

Output format :

Output should contain the number of occurrences of the digit 4 in the respective integer from the candy groups that Mona gets.

sample test cases:

input 1: 447474 - output 1: 4
input 2: 12 - output 2: 0

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PHASE 3

TASK 3 - CREATE A LIMITED SIMPLE CHATBOT USING JAVA

PHASE 4 - MINI PROJECT

CREATE AN ONLINE QUIZ USING JAVA

The project should be capable of the following functionalities:

- Login
- Update Profile and Password
- Selecting answers for MCQs
- Closing session and Logout

PHASE 5 - FINAL PROJECT

CREATE AN ONLINE POLL USING JAVA

The project would include two stages.

Admin

- Manage Election Candidates
- Manage Voting Candidates
- Profiles and Passwords Election Results

User/Voter

- Registration
- Login and Logout
- Profile and Password
- Choose a candidate to vote
- Cast Vote