

Test Summary

- No. of Sections: 1
- No. of Questions: 2
- Total Duration: 30 min

Section 1 - Coding

Section Summary

- No. of Questions: 2
- Duration: 30 min

Additional Instructions:

None

Q1. Problem Statement:

Pranav and Change

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 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 the 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 is 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

The first line of the input is an integer N, the change to be given to Pranav.

Output Format

The output should display the smallest number of notes that will combine to give N. Refer sample input and output for formatting specifications.

Constraints

Do not use any looping structures.

Sample Input

1200

Sample Output

12

Sample Input

242

Sample Output

7

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Q2. Problem Statement :

The newspaper Agency

Each Sunday, a newspaper agency sells w copies of a special edition newspaper for Rs.12 per copy. The cost to the agency of each newspaper is Rs.5 The agency pays a fixed cost for storage, delivery, and so on of Rs.100 per Sunday. The newspaper agency wants to calculate the profit which it obtains only on Sundays. Can you please help them out by writing a program to compute the profit if w(no of copies) are given?

Input Format

Input consists of integers(the number of copies sold)

Output Format

The output consists of a single integer which corresponds to the profit obtained by the newspaper agency.

Sample Input

1200

Sample Output

8300

Sample Input

1500

Sample Output

10400

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Answer Key & Solution

Section 1 - Coding

Q1

Test Case

Input

Output

8769976

87704

Weightage - 10

Input

Output

150

2

Weightage - 10

Input

Output

160

3

Weightage - 10

Input

Output

165

4

Weightage - 10

Input

Output

167

5

Weightage - 10

Input

Output

168

6

Weightage - 10

Input

Output

54321

546

Weightage - 10

Input	Output
9876	103

Weightage - 10

Input	Output
7654	79

Weightage - 10

Input	Output
2103	23

Weightage - 10

Sample Input	Sample Output
1200	12

Sample Input	Sample Output
242	7

Solution

Header

```
process.stdin.on('data',cash=>{

let sum;

sum=parseInt(cash/100);
cash=cash%100;
sum=sum+(parseInt(cash/50));
cash=cash%50;
sum=sum+(parseInt(cash/10));
cash=cash%10;
sum=sum+(parseInt(cash/5));
cash=cash%5;
sum=sum+(parseInt(cash/2));
cash=cash%2;
sum=sum+(parseInt(cash/1));
console.log(sum);
```

```
process.exit();
});
```

Q2

Test Case

Input

200

Output

1300

Weightage - 25

Input

100

Output

600

Weightage - 25

Input

588

Output

4016

Weightage - 25

Input

555

Output

3785

Weightage - 25

Sample Input

1200

Sample Output

8300

Sample Input

1500

Sample Output

10400

Solution

Header

```
process.stdin.on('data',copies=>{
```

```
let sp=12, cp=5, final_amount;  
  final_amount=copies*(sp-cp)-100;  
  console.log(final_amount);
```

Footer

```
process.exit();  
});
```