



Introduction:

1. Fill in the blanks to take input into a suitable data type:

```
print("What is name of the boy?")
```

```
name = input()
```

```
print("How old is the boy?")
```

```
age = _____
```

```
print("The boy lived in England for two and a half years, what is that in decimal?")
```

```
years = _____
```

```
print("There once was a young boy called "+ name)
```

```
print("He told his friends that he had be living in England for two and a half years  
that is "+ years +" in decimal.")
```

```
print("He is "+ age +" years old")
```

2. Write a program to take input of 3 numbers and print their product.
3. Write a program to print “Hello World” 50 times as below:

Hello World Hello World Hello World Hello World....
4. Write a program to take user’s name as input and print the input along with the greeting 100 times. Ex. if the input is “Rahul”, then

Good Day Rahul Good Day Rahul Good Day Rahul...
5. Write a program to take input of 5 numbers and print its average.
6. Does your program in question 4, give correct output for the input: 3.2, 4, 1.2, 15, 8? If not, modify the program to handle this input.

7. What will be the outcome of these Boolean statements? Answer in True or False.

STATEMENT	True or False
$5 > 9$	False
$(3 * 4) == (1 * 12)$	
$(5 * 7) \text{ IS NOT } > (6 * 4) + 11$	
$24 * 5 < 36 * 2$	
$(9 * 11) != (100 - 4)$	
'1000' > '110'	

CodeChef Questions

1. ATM

Problem Statement

Pooja would like to withdraw X \$US from an ATM. The cash machine will only accept the transaction if X is a multiple of 5, and Pooja's account balance has enough cash to perform the withdrawal transaction (including bank charges). For each successful withdrawal the bank charges 0.50 \$US. Calculate Pooja's account balance after an attempted transaction.

Input

Positive integer $0 < X \leq 2000$ - the amount of cash which Pooja wishes to withdraw. Nonnegative number $0 \leq Y \leq 2000$ with two digits of precision - Pooja's initial account balance.

Output

Output the account balance after the attempted transaction, given as a number with two digits of precision. If there is not enough money in the account to complete the transaction, output the current bank balance.

Example 1 - Successful Transaction

Sample Input



Data Types
Work Sheet: 07-PRG-03-WS



30 120.00

Sample Output

89.50

Example 2 - Incorrect Withdrawal Amount (not multiple of 5)

Sample Input

42 120.00

Sample Output

120.00

Example 3 - Insufficient Funds

Sample Input

300 120.00

Sample Output

120.00

Source: <https://www.codechef.com/problems/HS08TEST>