

HelloWorld.py

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AI

NEW

PYTHON2

RUN

⋮

```

1 import random
2
3 def number_guessing_game():
4     number_to_guess = random.randint(1, 10)
5     attempts = 0
6
7     print("Welcome to the Number Guessing Game!")
8     print("I'm thinking of a number between 1 and 10.")
9
10    while True:
11        guess = int(input("Take a guess: "))
12        attempts += 1
13
14        if guess < number_to_guess:
15            print("Too low! Try again.")
16        elif guess > number_to_guess:
17            print("Too high! Try again.")
18        else:
19            print("Congratulations! You guessed the number ")
20            break
21
22    number_guessing_game()

```

STDIN

1

Output:

Welcome to the Number Guessing Game!
I'm thinking of a number between 1 and 10.
Take a guess: Congratulations! You guessed the number

```
1 for i in range(1,5):  
2     print('*'*i)
```

STDIN

Input 1

Output:

```
*  
**  
***  
****
```

```
1 for i in range(1,51):
2     if i%3==0 and i%5==0:
3         print("Number is FizzBuzz:")
4     elif i%3==0:
5         print("Number is Fizz:")
6     elif i%5==0:
7         print("Number is Buzz:")
8     else:
9         print(i)
```

STDIN

Input for the program (Optional)

Output:

```
1
2
Number is Fizz:
4
Number is Buzz:
Number is Fizz:
7
8
Number is Fizz:
Number is Buzz:
11
Number is Fizz:
13
14
Number is FizzBuzz:
16
17
Number is Fizz:
19
Number is Buzz:
Number is Fizz:
22
```