```
def checkOddOrEven(n):
        # if reminder is 0 after dividing by 2 it's even
    if n % 2 == 0:
        return "Number entered by user is even"
    else:
        # else it is odd
        return "Number entered by user is odd"

def main():
        # Get a number as input
    num = int(input("Enter Number:"))
    print(checkOddOrEven(num))

if __name__ == '__main__':
    main()

def perimeter_Rectangle(l, b):
        # finding perimeter of a rectangle: 2 times length times breadth
    return 2 * (l + b)

def area_Rectangle(l, b):
        # finding area of rectangle: length times breadth
    return l * b

def main():
        # Get length and breadth as input
    length = int(input("Enter length:"))
    breadth = int(input("Enter breadth:"))
        # print the final values
```

```
    print('Perimeter of the rectangle with length', length, 'and', 'breadth', breadth , 'is',perimeter_Rectangle(length, breadth))
    print('Area of the rectangle with length', length, 'and', 'breadth', breadth , 'is',area_Rectangle(length, breadth))


if __name__ == '__main__':
    main()


# Guessing game by Balaji Natarajan
import random


def main():
            # getting a single digit random value
    answer = random.randint(0,9)
    num_of_guess = 0
    print('Answer', answer)
            # Repeat until correct
    while True:
        guess = int(input("Guess the digit: "))
                    # correct guess
        if guess == answer:
            print('Your answer is PERFECT!! Congratulations!!')
            num_of_guess += 1
            break
                    # low guess value
        elif guess < answer:
            print('Your answer is lower than required')
                    # high guess value
        elif guess > answer:
```

```
            print('Your answer is higher than required')
        num_of_guess += 1
    print('Number of guesses taken:', num_of_guess)


if __name__ == '__main__':
    main()
```