



main.py

Output



```
1  import random
2
3  def roll_dice(num_dice, num_sides):
4      """
5          Simulates rolling a given number
              of dice with a given number of
              sides.
6
7      Args:
8          num_dice (int): The number of
              dice to roll.
9          num_sides (int): The number of
              sides on each die.
10
11     Returns:
12         list: A list containing the
              results of each dice roll.
13     """
14     rolls = []
15     for _ in range(num_dice):
16         roll = random.randint(1,
17                               num_sides)
18         rolls.append(roll)
19     return rolls
20
21 def main():
22     print("Welcome to the Dice
        Roller!")
23     num_dice = int(input("Enter the number of dice to roll: "))
24     num_sides = int(input("Enter the number of sides on each die: "))
25     rolls = roll_dice(num_dice, num_sides)
26     print("The results of the dice rolls are: ")
27     for roll in rolls:
28         print(roll)
29
30 if __name__ == '__main__':
31     main()
```

Run



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11 Returns:
12     list: A list containing the
           results of each dice roll.
13     """
14     rolls = []
15     for _ in range(num_dice):
16         roll = random.randint(1,
                               num_sides)
17         rolls.append(roll)
18     return rolls
19
20 def main():
21     print("Welcome to the Dice
           Roller!")
22     num_dice = int(input("Enter the
           number of dice to roll: "))
23     num_sides = int(input("Enter the
           number of sides on each die: "
           ))
24
25     rolls = roll_dice(num_dice,
           num_sides)
26     print("Rolling the dice...")
27     print("Results:", rolls)
28     print("Total:", sum(rolls))
29
30 if __name__ == "__main__":
31     main()
32
```

Run



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Output



```
Welcome to the Dice Roller!  
Enter the number of dice to roll: 2  
Enter the number of sides on each die: 6  
Rolling the dice...  
Results: [5, 4]  
Total: 9  
  
=== Code Execution Successful ===
```