

## Untitled-1

```
1 def calculate_simple_interest(principal, rate, time):
2     """
3     Calculate the simple interest.
4
5     :param principal: The principal amount (initial sum of money)
6     :param rate: The annual interest rate (as a decimal)
7     :param time: The time the money is invested or borrowed for, in years
8     :return: The simple interest
9     """
10    interest = principal * rate * time
11    return interest
12
13 def main():
14     print("Simple Interest Calculator")
15
16     # Input from the user
17     principal = float(input("Enter the principal amount (e.g., 1000.00): "))
18     rate_percentage = float(input("Enter the annual interest rate (as a percentage, e.g., 5 for
5%): "))
19     time = float(input("Enter the time period in years (e.g., 3): "))
20
21     # Convert rate from percentage to decimal
22     rate = rate_percentage / 100
23
24     # Calculate simple interest
25     interest = calculate_simple_interest(principal, rate, time)
26
27     # Display the result
28     print(f"The simple interest is: ${interest:.2f}")
29
30 if __name__ == "__main__":
31     main()
32
```