

```
main.py Untitled7.py Untitled8.py Untitled9.py Untitled10.py Untitled11.py + Command Line Arguments  
1 """  
2 Created 2/24/26  
3 Adam Kingery  
4 Description:  
5 Enter a principle amount of a CD and year to maturity of CD. Determine the  
6 interest rate based on the amount of the principle and maturity (see below).  
7 Calculate first year interest (principle x interest rate). Display principle, interest  
8 rate and the interest amount for first year.  
9 """  
10  
11 #Ask user for CD info  
12 print("Enter principle amount of CD: ")  
13 principle_amount = input()  
14 print("Enter years to maturity")  
15 years_to_maturity = input()  
16  
17 #Determine interest rate  
18 if int(principle_amount) > 100000 and years_to_maturity == "5":  
19     interest_rate = .06  
20 else:  
21     interest_rate = .02  
22 if int(principle_amount) >= 50000 and int(principle_amount) <= 100000 and years_to_maturity == "10":  
23     interest_rate = .05  
24 if int(principle_amount) >= 50000 and int(principle_amount) <= 100000 and years_to_maturity == "5":  
25     interest_rate = .04  
26  
27 #Calculate first year interest  
28 first_year_interest = float(principle_amount) * float(interest_rate)  
29  
30 #Display results  
31 print("Principle amount: ", principle_amount)  
32 print("Interest rate: ", interest_rate)  
33 print("First year interest: ", first_year_interest)
```

Ln: 16, Col: 1

Run Share \$ Command Line Arguments  
Enter principle amount of CD:  
75000  
Enter years to maturity  
10  
Principle amount: 75000  
Interest rate: 0.05  
First year interest: 3750.0  
\*\* Process exited - Return Code: 0 \*\*