



# عن طريق استخدام for loops

1. قم بكتابة كود لحساب مجموع الأرقام التالية

Find the total of the numbers in the list.

```
numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
```

```
{//}
```

```
# Initialize a list of numbers
numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

# Initialize a variable to store the sum
sum = 0

# Use a for loop to iterate over the numbers in the list
for num in numbers:
    # Increment the sum with each number
    sum += num

# Print the final sum of the numbers
print(f"The sum of the numbers is {sum}")
```

{codezi//a}

{//}

2. قم بكتابة كود لحساب مربع كل رقم من الأرقام التالية  
(مربع الأرقام أي الرقم مرفوع للأس الثاني)

Find the square of the numbers in the list.

```
numbers = [1, 2, 3, 4, 5]
```

{codezi//a}

```
{//}
```

```
# Initialize a list of numbers
numbers = [1, 2, 3, 4, 5]

# Use a for loop to iterate over the numbers in the list
for num in numbers:
    # Calculate the square of each number
    square = num ** 2

    # Print the square of each number
    print(f"The square of {num} is {square}")
```

{codezi//a}

{//}

3. قم بطباعة النص التالي كل حرف بمفردة على سطر جديد

Print the characters of the following string, each on a line.

```
string = "Codezilla Python Course"
```

{codezi//a}



```
{//}
```

```
# Initialize a string
string = "Codezilla Python Course"

# Use a for loop to iterate over the characters in the string
for char in string:
    # Print each character
    print(char)
```

{codezi//a}

{//}

4. قم بطباعة إجمالي المشتريات التالية

Print the total cost of the following list.

```
A list of prices for different items in dollars  
prices = [10.99, 9.99, 15.99, 7.99, 12.99]
```

{codezi//a}

```
{//}
```

```
prices = [10.99, 9.99, 15.99, 7.99, 12.99]

# Initialize the total cost
total_cost = 0

# Loop through the list of prices
for price in prices:
    # Add the current price to the total cost
    total_cost += price

# Print the total cost
print(f"The total cost is {total_cost} dollars.")
```

{codezi//a}



{//}

5. قم بطباعة حاصل ضرب القائمة التالية

Print the multiplication result of the following list.

```
numbers = [1, 2, 3, 4, 5]
```

{codezi//a}

```
{//}
```

```
# Initialize a list of numbers
numbers = [1, 2, 3, 4, 5]

# Initialize a variable to store the product
product = 1

# Use a for loop to iterate over the numbers in the list
for num in numbers:
    # Multiply the product with each number
    product = product * num

# Print the final product of the numbers
print(f"The product of the numbers is {product}")
```

{codezi//a}

{//}

6. قم بطباعة حاصل ضرب الأرقام التي سيدخلها المستخدم

Find the product of numbers that user enters.

{codezi//a}

{//}

إذا لم توفق للوصول للحل يمكنك السعي مرة أخرى بمساعدة  
الخطوات التالية

```
# Initialize a list of numbers

# use a while loop to get the numbers from the user

    # Get a number from the user

    # Check if the user entered 0

        # Stop the loop

    # Add the number to the list

# Initialize a variable to store the product

# Use a for loop to iterate over the numbers in the list

    # Multiply the product with each number

# Print the final product of the numbers
```

{codezi//a}

```
{//}
```

```
# Initialize a list of numbers
numbers = []

# use a while loop to get the numbers from the user
while True:
    # Get a number from the user
    num = float(input("Enter a number (0 to stop): "))

    # Check if the user entered 0
    if num == 0:
        # Stop the loop
        break

    # Add the number to the list
    numbers.append(num)

# Initialize a variable to store the product
product = 1

# Use a for loop to iterate over the numbers in the list
for num in numbers:
    # Multiply the product with each number
    product *= num

# Print the final product of the numbers
print(f"The product of the numbers {numbers} is {product:,.2f}")
```

{codezi//a}