

{//}

باستخدام list Comprehension قم بالتالي

1. قم بتحويل الأرقام التالية إلى أرقام سالبة

Make the following numbers negative.

```
nums = [2, 29, 4, 8, 42, 55, 70, 74, 78, 27]
```

{codezi//a}

{//}

```
nums = [2, 29, 4, 8, 42, 55, 70, 74, 78, 27]  
  
neg_nums = [-num for num in nums]  
print(neg_nums)
```

{codezi//a}

{//}

2. قم بعمل قائمة تحتوي على الاس التربيعي للأرقام التالية

Create a new list with the square of the numbers in the given list.

```
nums = [2, 29, 4, 8, 42, 55, 70, 74, 78, 27]
```

{codezi//a}

```
{//}
```

```
nums = [2, 29, 4, 8, 42, 55, 70, 74, 78, 27]  
  
squares = [num ** 2 for num in nums]  
print(squares)
```

{codezi//a}

3. قم بعمل list جديدة تحتوي على درجات الطالب كنسبة مئوية
بالصيغة التالية 88%

create a new list with the scores as percent and each
score in the format of 88%

```
scores = [75, 87, 93, 98, 82, 67, 91, 88]
```

```
{//}
```

```
scores = [75, 87, 93, 98, 82, 67, 91, 88]  
  
percent_scores = [str(score) + '%' for score in scores]  
print(percent_scores)
```

{codezi//a}

{//}

4. قم بجعل كل عناصر ال list التالية lowercase

Make a list with all the items in the following list in lowercase.

```
fruits = ["APPLE", "ORANGE", "BANANA", "PEAR", "MANGO"]
```

{codezi//a}

```
{//}
```

```
fruits = ["APPLE", "ORANGE", "BANANA", "PEAR", "MANGO"]  
  
lower_fruits = [fruit.lower() for fruit in fruits]  
print(lower_fruits)
```

{codezi//a}

{//}

5. قم بإيجاد مجموع الأرقام الزوجية في القائمة التالية

Write code to find the sum of the even numbers in the list.

```
nums = [2, 29, 4, 8, 42, 55, 70, 74, 78, 27]
```

{codezi//a}

{//}

```
nums = [2, 29, 4, 8, 42, 55, 70, 74, 78, 27]

sum_even = sum([num for num in nums if num % 2 == 0])
print(sum_even)
```

{codezi//a}

{//}

6. قم بعمل قائمة جديدة تحتوي على الأسعار بالصيغة التالية

\$10.99

Make a new list with prices in the following form

\$10.99.

```
prices = [10.99, 20.99, 30.99, 40.99, 50.99]
```

{codezi//a}

```
{//}
```

```
prices = [10.99, 20.99, 30.99, 40.99, 50.99]  
  
dollar_prices = ['$' + str(price) for price in prices]  
print(dollar_prices)
```

{codezi//a}