

Exercise 3: Print characters from a string that are present at an even index number

Write a program to accept a string from the user and display characters that are present at an even index number.

For example, `str = "pynative"` so you should display 'p', 'n', 't', 'v'.

Expected Output:

```
Original String is  pynative
Printing only even index chars
p
n
t
v
```

Exercise 7: Return the count of a given substring from a string

Write a program to find how many times substring "**Emma**" appears in the given string.

Given:

```
str_x = "Emma is good developer. Emma is a writer"
```

Expected Output:

```
Emma appeared 2 times
```

Exercise 9: Check Palindrome Number

Write a program to check if the given number is a palindrome number.

A palindrome number is a number that is same after reverse. For example 545, is the palindrome numbers

Expected Output:

```
original number 121  
Yes. given number is palindrome number  
  
original number 125  
No. given number is not palindrome number
```

Exercise 10: Create a new list from a two list using the following condition

Create a new [list](#) from a two list using the following condition

Given a two list of numbers, write a program to create a new list such that the new list should contain odd numbers from the first list and even numbers from the second list.

Given:

```
list1 = [10, 20, 25, 30, 35]  
list2 = [40, 45, 60, 75, 90]
```

Expected Output:

```
result list: [25, 35, 40, 60, 90]
```

Exercise 12: Calculate income tax for the given income by adhering to the below rules

Taxable Income	Rate (in %)
First \$10,000	0
Next \$10,000	10
The remaining	20

Expected Output:

For example, suppose the taxable income is 45000 the income tax payable is

$$10000*0\% + 10000*10\% + 25000*20\% = \$6000.$$