

Write a Python function that takes a number as input and checks if it is prime. A prime number is a natural number greater than 1 that is divisible only by 1 and itself

```
def is_prime(n):  
    if n == 1:  
        return False  
    elif n == 2:  
        return True  
    else:  
        for x in range(2,n):  
            if n % x == 0:  
                return False  
        return True  
  
print(is_prime(9))  
print(is_prime(11))
```

False

True

Write a Python function that takes two lists as input and returns a new list containing the common elements between the two lists.

```
def common_ele(list1, list2):
    new_list = []
    found_common = False

    for x in list1:
        if x in list2:
            new_list.append(x)
            found_common = True

    if found_common:
        print("Common elements:", new_list)
    else:
        print("No common elements")

common_ele([1, 2, 3, 4], [5, 6, 7, 8])
```

No common elements

Write a Python function that takes the following dictionary as input and returns a new dictionary where the keys and values are swapped. In other words, the function should create a new dictionary where the original values become the keys, and the original keys become the values.

```
original_dict = {"apple": 1, "banana": 2, "cherry": 3}
```

```
original_dict = {"apple": 1, "banana": 2, "cherry": 3}
def swapped_dictionary(original_dict):
    swapped_dictionary = {v:k for k,v in original_dict.items()}
    return swapped_dictionary

print(swapped_dictionary(original_dict))
```

```
{1: 'apple', 2: 'banana', 3: 'cherry'}
```