

FUNCTIONS-1

1) wap to find pNumbers in certain range?

```
def is_prime(n):  
    count = 0  
    for i in range(2, n):  
        if n % i == 0:  
            count += 1  
    return count == 0 and n > 1  
  
start = 10  
end = 30  
prime_numbers = []  
for num in range(start, end + 1):  
    if is_prime(num):  
        prime_numbers.append(num)  
print("Prime numbers between", start, "and", end, "are:", prime_numbers)
```

2) wap to find pNumbers in list? and create a new list?

```
def is_prime(n):  
    count = 0  
    for i in range(2, n):  
        if n % i == 0:  
            count += 1  
    return count == 0 and n > 1  
  
numbers = [1, 2, 3, 4, 5, 6, 7, 10, 13, 17, 20, 23]  
prime_list = []
```

```
for num in numbers:

if is_prime(num):

prime_list.append(num)

print("Original List:", numbers)

print("Prime Numbers List:", prime_list)
```

3) write a function to print all yr family members yr f_name, yr m_name, yr_sibiling_name in a print statement?

```
def family():

f_name="kamesh"

m_name="Rajeswari"

s_name="Teja"

print(f"My father's name is {f_name}, my mother's name is {m_name}, and my sibling name is {s_name}.")

family()
```

4) write a function to print all yr details like

name, age, college, year of passed out, percentage, native place in a print statement?

```
def details():

name="Gowtham"

age=21passedoutyear="2025"

percentage=81.0

nativeplace="Pamaru"

print(f"My name is {name}, I am {age} years old. I passed out in {passedoutyear} with {percentage}% marks. I am from {nativeplace}.")

details()
```

5) write a function which takes 2 args (1,11) and use for loop in function and print even

numbers ?

```
def even(a,b):
```

```
    for i in range(a,b+1):
```

```
        if i%2==0:
```

```
            print(i)
```

```
even(1,11)
```