

NALAYA THIRAN ASSIGNMENT

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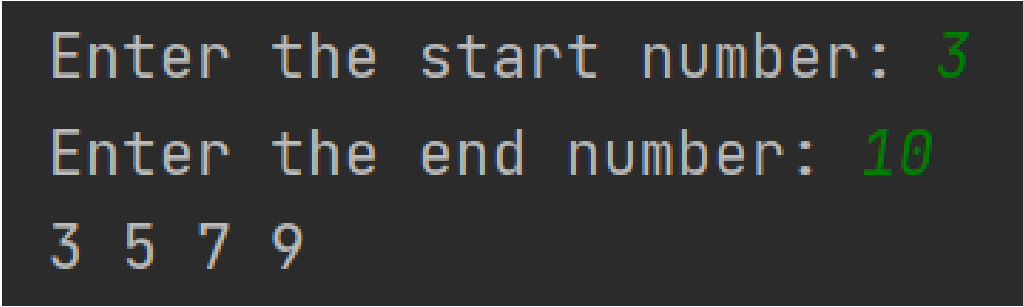
Batch Number: B8-2A4E

1. Program to print odd numbers between a given range.

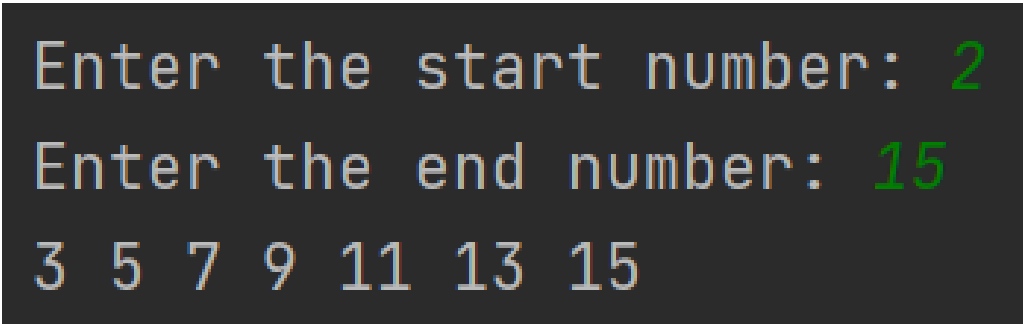
Program:

```
start = int(input("Enter the start number: "))
end = int(input("Enter the end number: "))
while start <= end:
    if start % 2 != 0:
        print(start, end=" ")
```

Output:



Enter the start number: 3
Enter the end number: 10
3 5 7 9



Enter the start number: 2
Enter the end number: 15
3 5 7 9 11 13 15

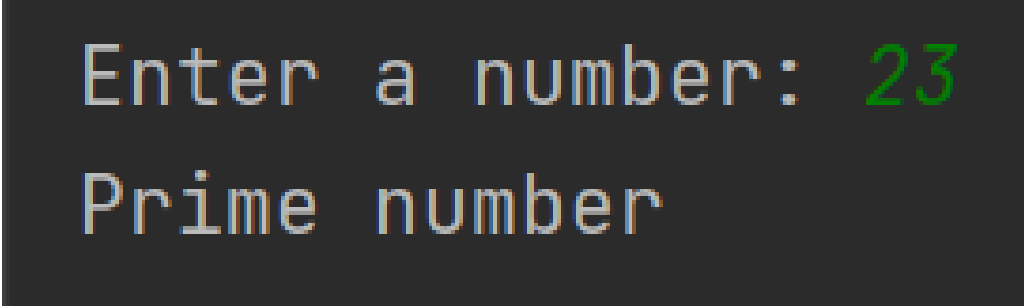
2. Program to check whether given number is prime or not.

Program:

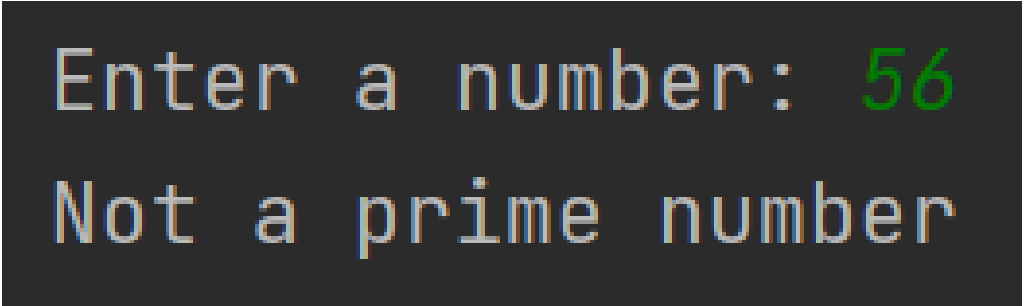
```
num = int(input("Enter a number: "))
half = int(num/2)
isPrime = True
for i in range(2, half):
    if num % i == 0:
```

```
        isPrime = False
        print("Not a prime number")
        break
if isPrime:
    print("Prime number")
```

Output:



Enter a number: 23
Prime number

A terminal window with a dark background. The text "Enter a number:" is in a light gray font, followed by the number "23" in a green font. Below it, the text "Prime number" is displayed in the same light gray font.

Enter a number: 56
Not a prime number

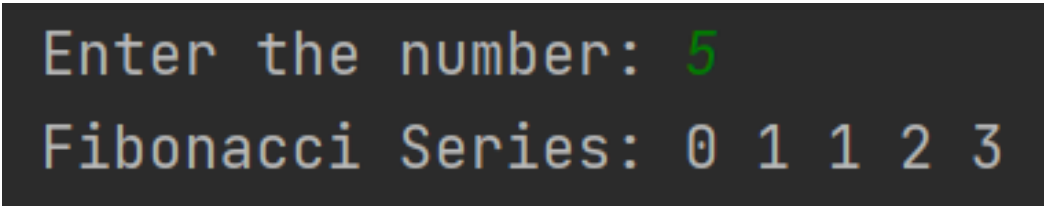
A terminal window with a dark background. The text "Enter a number:" is in a light gray font, followed by the number "56" in a green font. Below it, the text "Not a prime number" is displayed in the same light gray font.

3. Program to print n first numbers in the Fibonacci series.

Program:

```
num = int(input("Enter the number: "))
n1, n2 = 0, 1
print("Fibonacci Series:", n1, n2, end=" ")
for i in range(2, num):
    n3 = n1 + n2
    n1 = n2
    n2 = n3
    print(n3, end=" ")
```

Output:



Enter the number: 5
Fibonacci Series: 0 1 1 2 3

A terminal window with a dark background. The text "Enter the number:" is in a light gray font, followed by the number "5" in a green font. Below it, the text "Fibonacci Series: 0 1 1 2 3" is displayed in the same light gray font.

```
Enter the number: 10
Fibonacci Series: 0 1 1 2 3 5 8 13 21 34
```

4. Program to print n first numbers in the Fibonacci series.

Program:

```
start = int(input("Enter the start num: "))
end = int(input("Enter the end num: "))
```

```
for n in range(start, end + 1):
    if n > 1:
        for i in range(2, n):
            if (n % i) == 0:
                break
        else:
            print(n, end=" ")
```

Output:

```
Enter the start num: 1
Enter the end num: 10
2 3 5 7
```

```
Enter the start num: 4
Enter the end num: 15
5 7 11 13
```