

labprogram1

October 16, 2024

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[ ]: Write a python program to check  
whether the number is prime or not.
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[ ]: 1: take an input  
2: from 2 to num-1  
    num is divisible or not  
3: if it not divisible ----> prime  
    else ----> not a prime
```

```
num = input("enter a number")
```

```
[1]: num = int (input("enter a number"))  
for i in range(2,num,1):  
    if (num%i==0):  
        print("number is not a prime")  
        break  
if i==num-1:  
    print("number is prime")
```

```
enter a number3  
number is prime
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```
[2]: num = int (input("enter a number"))  
flag = 1  
for i in range(2,num,1):  
    if (num%i==0):  
        print("number is not a prime")  
        flag = 0  
        break  
if flag==1:  
    print("number is prime")
```

```
enter a number4  
number is not a prime
```

```
[3]: num = int (input("enter a number"))

for i in range(2,num,1):
    if (num%i==0):
        print("number is not a prime")
        break
else:
    print("number is prime")
```

enter a number23

number is prime