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1)Python program to check if given number is prime or not:

```
num = 11
```

```
# If given number is greater than 1
```

```
if num > 1:
```

```
    # Iterate from 2 to n / 2
```

```
    for i in range(2, int(num/2)+1):
```

```
        # If num is divisible by any number between
```

```
        # 2 and n / 2, it is not prime
```

```
if (num % i) == 0:
```

```
    print(num, "is not a prime number")
```

```
    break
```

```
else:
```

```
    print(num, "is a prime number")
```

```
else:
```

```
    print(num, "is not a prime number")
```