



# SCSA2601-Machine Learning and Data Analytics Lab

Dashboard / My courses / ML and DA / VIRTUAL PROGRAMMING CSE C1&D1 / 04.01.2022\_Practice Ex.4 & 5 Learning Looping Statements & Functions

**Started on** Tuesday, 4 January 2022, 2:12 PM

**State** Finished

**Completed on** Tuesday, 4 January 2022, 2:33 PM

**Time taken** 21 mins 17 secs

**Grade** 6.00 out of 6.00 (100%)

**Question 1**

Correct

Mark 1.00 out of 1.00

Flag question

Write python code to display whether the given number is prime number or not.

Answer: (penalty regime: 0 %)

```
1 num = int(input())
2
3 flag = False
4
5 if num > 1:
6     for i in range(2, num):
7         if(num % i) == 0:
8             flag = True
```

## Quiz navigation

1	2	3	4	5	6
✓	✓	✓	✓	✓	✓

Show one page at a time

Finish review



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Question 1

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```
1 num = int(input())
2
3 flag = False
4
5 if num > 1:
6     for i in range(2, num):
7         if(num % i) == 0:
8             flag = True
9             break
10
11 if flag:
12     print(num, "is not a prime number")
13     for i in range(0, num):
14         if(2 * i == num):
15             print("2 times", i, "is", num)
16 else:
17     print(num, "is a prime number")
```



Show one page at a time

Finish review

```
7 |         if(num % i) == 0:
8 |             flag = True
9 |             break
10 |
11 | if flag:
12 |     print(num, "is not a prime number")
13 |     for i in range(0, num):
14 |         if(2 * i == num):
15 |             print("2 times", i, "is", num)
16 | else:
17 |     print(num, "is a prime number")
```

Input	Expected	Got	
✓ 3 3 is a prime number	3 3 is a prime number	3 3 is a prime number	✓
✓ 6 6 is not a prime number 2 times 3 is 6	6 6 is not a prime number 2 times 3 is 6	6 6 is not a prime number 2 times 3 is 6	✓
✓ 960 960 is not a prime number 2 times 480 is 960	960 960 is not a prime number 2 times 480 is 960	960 960 is not a prime number 2 times 480 is 960	✓
✓ 79 79 is a prime number	79 79 is a prime number	79 79 is a prime number	✓

Passed all tests! ✓



Input	Expected	Got	
✓ 3 3 is a prime number	3 3 is a prime number	3 3 is a prime number	✓
✓ 6 6 is not a prime number 2 times 3 is 6	6 6 is not a prime number 2 times 3 is 6	6 6 is not a prime number 2 times 3 is 6	✓
✓ 960 960 is not a prime number 2 times 480 is 960	960 960 is not a prime number 2 times 480 is 960	960 960 is not a prime number 2 times 480 is 960	✓
✓ 79 79 is a prime number	79 79 is a prime number	79 79 is a prime number	✓

Passed all tests! ✓

### Question author's solution (Python3):

```
1 num = int(input())
2 if num > 1:
3     for i in range(2,num):
4         if (num % i) == 0:
5             print(num,"is not a prime number")
6             print(i,"times",num//i,"is",num)
7             break
8     else:
9         print(num,"is a prime number")
10 else:
11     print(num,"is not a prime number")
```

Submit

Marks for this submission: 1.00/1.00.