

**Objective:** *Write a program in PHP to display all the prime numbers that are less than a given number.*

**Theory:** *In our code we have print all the prime numbers upto 200. In this, a function called `checkprime()` is created which takes a number as argument and checks it for prime number by dividing it with all natural numbers starting from 2 to  $N/2$ . As we know that 2 is the smallest even prime number so we have started our loop from  $i=2$ .*

**Filename:** *prime.php*

**Code:**

```
<?php
function checkprime($num)
{
    $c = 0;
    for ($den = 1 ; $den <= $num ; $den++)
    {
        if ($num % $den == 0)
            $c = $c + 1;
    }
    if ($c == 2)
        return True;
    else
```

```
        return False;
    }

    for ($j = 2 ; $j <= 200 ; $j++)
    {
        $a = checkprime($j);
        if ($a==True)
            echo $j."<br>";
    }
?>
```

## Output:

```
2
3
5
7
11
13
17
19
23
29
31
37
41
43
47
53
59
61
67
71
73
79
83
89
97
101
103
107
109
113
127
```

```
59
61
67
71
73
79
83
89
97
101
103
103
107
109
113
127
131
137
139
149
151
157
163
167
173
179
181
191
193
197
199
```

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