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Q.3 Write a C program to check given number N is prime and number is between 100 to 200:

```
#include <stdio.h>
```

```
#include <math.h>
```

```
int main()
```

```
{
```

```
    int n;
```

```
    printf("Enter the number: ");
```

```
    scanf("%d", &n);
```

```
    if (n > 100 & n < 200) printf("The %d is between 100 and 200,\n", n);
```

```
    else printf("The number is not in between 100 and 200/n");
```

```
    int isprime = 1;
```

```
    for (int i = 2; i <= sqrt(n); i++)
```

```
    { if (n % i == 0)
```

```
        { isprime = 0;
```

```
          break;
```

```
        }
```

```
    }
```

```
    if (isprime) printf("%d is a prime number", n);
```

```
    else printf("%d is not a prime number", n);
```

```
    return 0;
```

```
}
```

Terminal

Enter the number: 119

The number is between 100 and 200

119 is not a prime number