

```
import java.util.*;
```

```
class Day22 {
```

```
    static boolean isPrime(int num) {
```

```
        if (num <= 1)
```

```
            return false;
```

```
        for (int i = 2; i * i <= num; i++) {
```

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

```
                return false;
```

```
        }
```

```
        return true;
```

```
    }
```

```
    public static void main(String[] args) {
```

```
        Scanner scanner = new Scanner(System.in);
```

```
        int n = scanner.nextInt();
```

```
        scanner.close();
```

```
        if (n <= 2) {
```

```
            System.out.println("Enter a number greater than 2.");
```

```
            return;
```

```
        }
```

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

```
            if (isPrime(i) && isPrime(n - i)) {
```

```
                System.out.println(n + " can be expressed as the sum of " + i + " and " + (n - i));
```

```
                return;
```

```
            }
```

```
        }
```

```
        System.out.println("No prime numbers found that sum up to " + n);
```

}

}