

```

import java.time.LocalTime;

import java.time.Duration;

import java.time.format.DateTimeFormatter;

public class MetroTimetable {

    public static void main(String[] args) {

        int totalStations = 10;

        Duration travelTimeBetweenStations = Duration.ofSeconds(3 * 60 + 30);

        Duration waitingTimeAtStations = Duration.ofSeconds(30);

        Duration waitingTimeAtSource = Duration.ofMinutes(20);

        Duration waitingTimeAtDestination = Duration.ofMinutes(20);

        boolean trainDelayed = true;

        if (trainDelayed) {

            waitingTimeAtSource = waitingTimeAtSource.minusMinutes(5);

            waitingTimeAtDestination = waitingTimeAtDestination.minusMinutes(5);

        }

        LocalTime startTime = LocalTime.of(9, 0);

        LocalTime currentTime = startTime.plus(waitingTimeAtSource);

        System.out.println("Metro Train Timetable:");

        System.out.println("Source Departure: " +
            startTime.format(DateTimeFormatter.ofPattern("HH:mm")));

        for (int i = 1; i <= totalStations; i++) {

            currentTime = currentTime.plus(travelTimeBetweenStations).plus(waitingTimeAtStations);

            System.out.println("Station " + i + " Arrival: " +
                currentTime.format(DateTimeFormatter.ofPattern("HH:mm")));

        }

        currentTime = currentTime.plus(travelTimeBetweenStations).plus(waitingTimeAtDestination);

        System.out.println("Destination Arrival: " +
            currentTime.format(DateTimeFormatter.ofPattern("HH:mm")));

    }

}

```

OUTPUT :-

```
java -cp /tmp/NsmlvnBgKT/MetroTimetable
```

```
Metro Train Timetable:
```

```
Source Departure: 09:00
```

```
Station 1 Arrival: 09:19
```

```
Station 2 Arrival: 09:23
```

```
Station 3 Arrival: 09:27
```

```
Station 4 Arrival: 09:31
```

```
Station 5 Arrival: 09:35
```

```
Station 6 Arrival: 09:39
```

```
Station 7 Arrival: 09:43
```

```
Station 8 Arrival: 09:47
```

```
Station 9 Arrival: 09:51
```

```
Station 10 Arrival: 09:55
```

```
Destination Arrival: 10:13
```

```
=== Code Execution Successful ===
```