

★ Write a Java program to find out day of the week given number.

1. 'Scanner' class → else if for day number.
2. We validate the i/p to ensure it's a no b/w 1-7.
3. array 'days of Week' containing the names of the days of the week.
4. Calculate the index in the array based on the user's input (adjusting for zero-based indexing).
5. prints the corresponding day of the week.

Code :->

```
import java.util.Scanner;
```

```
public class DayOfWeek {
```

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

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

```
        // prompt user for a no representing  
        // the day of the week
```

```
        System.out.println("Enter a number (1 for  
        Sunday, 2 for Monday, etc)");
```

```
        int dayNumber = scan.nextInt();
```

```
        // validate the input
```

```
        if (dayNumber < 1 || dayNumber > 7) {
```

```
            System.out.println("Invalid Input.
```

```
            Please enter a no b/w 1-7");
```

```
            return;
```

```
        }
```

```
        // Array to store names of days of week
```

```
        String[] daysOfWeek = { "Sunday",
```

```
        "Monday", "Tuesday", "Wednesday",
```

```
        "Thursday", "Friday", "Saturday" };
```

```
        // Calculate the index in the array
```

```
        // adjust for zero-based indexing)
```

```
        int dayIndex = dayNumber - 1;
```

```
        System.out.println("day of week: " +
```

```
        daysOfWeek[dayIndex];
```