



BIRZEIT UNIVERSITY

Faculty of Engineering and Technology

Computer Science Department

Advanced Programming (COMP 231)

Quiz #1

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Part 1:

Code:

```
import java.util.Scanner;

public class Week {

    public static void main(String[] args) {

        Scanner input = new Scanner(System.in);
        System.out.println("Please Enter a number from 1 to 7 representing the days of the week starting from Saturday: ");

        int day = input.nextInt();

        switch (day)
        {
            case 1: System.out.println("Saturday");
            break;
            case 2: System.out.println("Sunday");
            break;
            case 3: System.out.println("Monday");
            break;
            case 4: System.out.println("Tuesday");
            break;
            case 5: System.out.println("Wednesday");
            break;
            case 6: System.out.println("Thursday");
            break;
            case 7: System.out.println("Friday");
            break;
            default: System.out.println("Invalid expression");
        }

    }

}
```

Output Examples:

1- The entered number is '7':

```
Please Enter a number from 1 to 7 representing the days of the week starting from Saturday:
7
Friday
```

2- The entered number is '3':

```
Please Enter a number from 1 to 7 representing the days of the week starting from Saturday:
3
Monday
```

Part 2: The Enhanced Code

The code:

```
import java.util.Scanner;

public class WeekEnhanced {

    public static void main(String[] args) {

        Scanner input = new Scanner(System.in);
        System.out.println("Please enter the numbers from 1 to 7 in one line ");

        String numbers = input.nextLine();
        String days[] = numbers.split(" ");

        for (int i = 0; i < 7; i++)
        {

            int day = Integer.parseInt(days[i]);

            switch (day)
            {
                case 1: System.out.println("Saturday");
                    break;
                case 2: System.out.println("Sunday");
                    break;
                case 3: System.out.println("Monday");
                    break;
                case 4: System.out.println("Tuesday");
                    break;
                case 5: System.out.println("Wednesday");
                    break;
                case 6: System.out.println("Thursday");
                    break;
                case 7: System.out.println("Friday");
                    break;
                default: System.out.println("Invalid expression");
            }

        }

    }

}
```

Output:

```
Please enter the numbers from 1 to 7 in one line
1 2 3 4 5 6 7
Saturday
Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
```