

Ques Input a no. as dayth no. and print day name. using switch statement.

1 → Monday

2 → Tuesday

⋮

7 → Sunday

any other no. → Invalid Input

```
public class Main {  
    public static void main(String[] args) {  
        Scanner scn = new Scanner(System.in);  
        int day = scn.nextInt();  
        switch(day) {  
            case 1:  
                System.out.println("Monday");  
                break;  
            case 2:  
                System.out.println("Tue");  
                break;  
            case 3:  
                System.out.println("Wed");  
                break;  
            case 4:  
                System.out.println("Thur");  
                break;  
            case 5:  
                System.out.println("Fri");  
                break;  
            case 6:  
                System.out.println("Satu");  
                break;  
            case 7:  
                System.out.println("Sunday");  
                break;  
            default:  
                System.out.println("Invalid Input");  
                break;  
        }  
    }  
}
```

```
Finished in 138 ms  
Wed  
  
Finished in 105 ms  
Invalid Input
```

Ques Check if a character is a vowel or not using switch statement.

Ans

```
public static void main(String[] args) {  
    Scanner scn = new Scanner(System.in);  
    char ch = scn.next().charAt(0);  
    switch(ch) {  
        case 'a':  
        case 'e':  
        case 'i':  
        case 'o':  
        case 'u':  
            System.out.println("Vowel");  
            break;  
        default:  
            System.out.println("Consonent");  
            break;  
    }  
}
```

String str = scn.nextLine();

Ques Input current day, current month and current year, birth day, birth month, birth year. Find the age of that person.
(assume every month have 30 days)

C.g.) current date = 17, 02, 2023
birth date = 10, 01, 2001

days = 07
month = 01
years = 22

current date = 17, 02, 2023 ✓
birth date = 28, 03, 2001 ✓

✗ days = -11, 19
month = -1, 10
years = 22, 21

current date = 17, 02, 2023
birth date = 28, 03, 2001

	13	
2022	01	47
2023	02	17
- 2001, 03, 28		
<hr/>		
21	10	19

current date = 2022, 02, 17^α
birth date = 2000, 09, 16

22, 05, 01

Kunal & Swri

Camel case
KunalSwri

Snake case
Kundl_Swri

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int current_days = scn.nextInt();
    int current_month = scn.nextInt();
    int current_year = scn.nextInt();

    int birth_days = scn.nextInt();
    int birth_month = scn.nextInt();
    int birth_year = scn.nextInt();

    if (current_days < birth_days) {
        current_days = current_days + 30; ← } carry
        current_month = current_month - 1; ← }
    }

    if (current_month < birth_month) {
        current_month = current_month + 12; ← } carry
        current_year = current_year - 1; ← }
    }

    int ans_days = current_days - birth_days;
    int ans_month = current_month - birth_month;
    int ans_year = current_year - birth_year;

    System.out.println("Days : " + ans_days + ", Month : " + ans_month + ", Years : " + ans_year);
}
```

⇒ Loops

- ↳ for loop
- ↳ while loop
- ↳ do while loop
- ↳ for each loop

⇒ for loop

syntax

```
for ( initiator ; condition ; incr/decr. ) {  
    // statement  
}
```

initiator :- used to initiate or declare a value
condition :- until when a loop is going to run
increment/ :- how much to move in 1 step
decrement

Ques Print numbers from 1 to 100.

```
for ( int i = 1 ; i < 101 ; i++ ) {  
    System.out.println( i );  
}
```

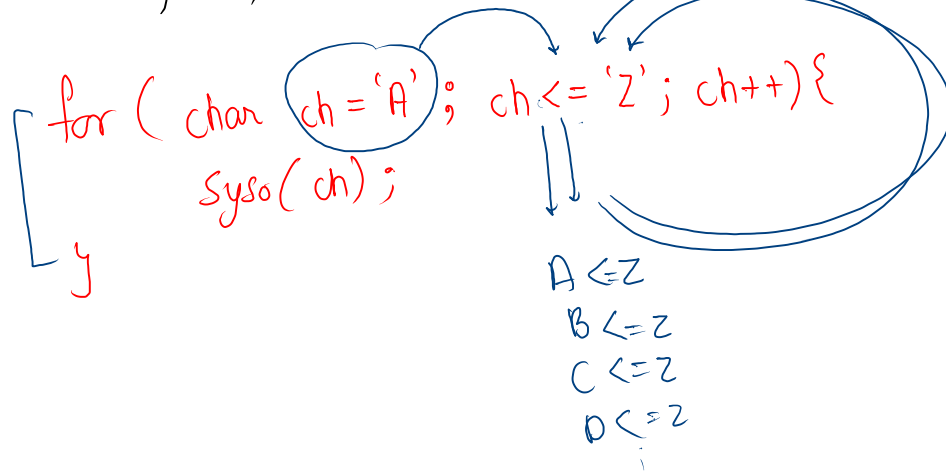
97 < 101
98 < 101
99 < 101
100 < 101
101 < 101 ✗

i = ①
2
3
4
⋮
97
98
99
100

```
for ( int i = 1 ; i <= 100 ; i++ ) {  
    System.out.println(i);  
}
```

Ques Print all capital alphabets.

A, B, C, D, E, ..., Z



Ques Run a loop from 1 to 100 and print all no. that are divisible by 7.

```
for (int i = 1; i <= 100; i++) {  
    if (i % 7 == 0) {  
        Syso(i);  
    }  
}
```

```
for (int i = 1; i <= 100; i++) {  
    if (i % 7 == 0) {  
        System.out.println(i);  
    }  
}
```