

TASK-03-13C133

```
import java.util.Scanner;

public class Solution {

    public static void main(String args[]) {

        Time t = null;

        Scanner in = new Scanner(System.in);

        int a,b;

        a=in.nextInt();

        switch(a) {

            case 1:

                t = new Time();

                break;

            case 2:

                t = new Time(in.nextInt());

                break;

            case 3:

                t = new Time(in.nextInt(), in.nextInt());

                break;

            case 4:

                t = new Time(in.nextInt(), in.nextInt(), in.nextInt());

                break;
```

```
        }  
b = in.nextInt();  
switch(b) {  
    case 1:  
        t.nextSecond();  
        break;  
    case 2:  
        t.nextMinute();  
        break;  
    case 3:  
        t.nextHour();  
        break;  
    case 4:  
        t.previousSecond();  
        break;  
    case 5:  
        t.previousMinute();  
        break;  
    case 6:  
        t.previousHour();  
        break;  
}  
t.print();  
}  
}
```

```
public class Time {  
    public Time () {  
        hour = 0;  
        minute = 0;  
        second = 0;  
    }  
    public Time (int hr) {  
        hour = hr;  
    }  
    public Time (int hou, int min) {  
        hour = hou;  
        minute = min;  
    }  
    public Time (int ho,int mi, int sec) {  
        hour = ho;  
        minute = mi;  
        second = sec;  
    }  
    int hour = 0;  
    int minute = 0;  
    int second = 0;  
  
    void nextSecond() {  
        if(second < 59) {  
            second = second + 1;
```

```

    }

    else if (second == 59) {

        second = 0;

        if (minute == 59){

            if( hour == 23) {

                hour = 00;

                minute = 00;

                second = 00;

            }

            else{

                minute = 0;

                hour = hour + 1;

            }

        }

    }

    else{

        minute = minute + 1;

    }

}

}

```

```

void nextMinute() {

    if (minute == 59) {

        minute = 0;
    }
}

```

```
        if( hour == 23) {  
            hour = 00;  
            minute = 00;  
        }  
        else{  
            hour = hour + 1;  
        }  
    }  
    else {  
        minute = minute + 1;  
    }  
}
```

```
void nextHour() {  
    if( hour == 23) {  
        hour = 00;  
    }  
    else{  
        hour = hour + 1;  
    }  
}
```

```
void previousHour() {
```

```
if( hour == 00) {  
    hour = 23;  
}  
else{  
    hour = hour - 1;  
}  
}
```

```
void previousMinute() {  
    if (minute == 0){  
        minute =59;  
        if( hour == 00) {  
            hour = 23;  
        }  
        else{  
            hour = hour - 1;  
        }  
    }  
    else{  
        minute = minute - 1;  
    }  
}
```

```

void previousSecond() {
    if (second == 0) {
        second = 59;
        if (minute == 0){
            minute =59;
            if( hour == 00) {
                hour = 23;
            }
        }
    }
    else {
        second = second - 1;
    }
}

```

```

void print() {
    if(hour >= 10 && minute >= 10 && second >= 10)
        System.out.println(hour+":"+minute+": "+second);
    else if (hour < 10 && minute < 10 && second < 10)
        System.out.println("0"+hour+":0"+minute+":0"+second);
    else if (hour < 10 && minute < 10)
        System.out.println("0"+hour+":0"+minute+": "+second);
    else if (hour < 10 && second < 10)

```

```
        System.out.println("0"+hour+": "+minute+":0"+second);
    else if (minute < 10 && second <10)

        System.out.println(hour+":0"+minute+":0"+second);
    else if(hour < 10)

        System.out.println("0"+hour+": "+minute+": "+second);
    else if (minute < 10)

        System.out.println(hour+":0"+minute+": "+second);
    else if (second < 10)

        System.out.println(hour+": "+minute+":0"+second);

}

}
```