



## LABORATORY WORK SHEET

Name of the Student .....

Class... Btech CSE ..... Semester... First .....

Course Code : ACS002 ..... Course Name : OOP with java .....

Roll Number									

Name of the Course Faculty..... Faculty ID : .....

Exercise Number : ..... Week Number : ..... Date : .....

### DAY TO DAY EVALUATION:

Marks	Aim / Preparation	Algorithm / Procedure	Source Code	Program Execution	Viva - Voce	Total
		Performance in the Lab	Calculations and Graphs	Results and Error Analysis		
Max. Marks	4	4	4	4	4	20
Obtained	4	4	4	4	3	19

Signature of Faculty

### START WRITING FROM HERE :

1.3 Check Pass Fail (if else)

Write a program called checkPassFail which prints "PASS" if the int variable "mark" is more than or equal to 50, or prints "Fail" otherwise. The program shall always print "DONE" before exiting.

```
public class CheckPassFail {  
    public static void main (String args[]) {  
        int mark = 49;  
        System.out.println ("The mark is " + mark);  
    }  
}
```

```

if (mark >= 50) {
    System.out.println("PASS");
} else {
    System.out.println("Fail");
}
System.out.println("DONE");
}
}

```

Try

<u>mark</u>	<u>output</u>
0	The mark is 0 Fail DONE
49	The mark is 49 Fail DONE
50	The mark is 50 PASS DONE
51	The mark is 51 PASS DONE
100	The mark is 100 PASS DONE

1.4 CheckOddEven (if - else)

Write a program called CheckOddEven which prints "odd Number" if the int variable "number" is odd, or "Even Number" otherwise. The program shall always print "bye!" before exiting.

```

public class CheckOddEven {
    public static void main (String args[]) {
        int number = 49;
        System.out.println ("The number is " + number);
        if (number % 2 == 0) {
            System.out.println ("Even Number");
        } else {
            System.out.println ("Odd Number");
        }
        System.out.println ("bye!");
    }
}

```

number	output		
0	The number is 0 Even number bye!	99	The number is 99 Odd Number bye!
1	The number is 1 Odd Number bye!	-1	The number is -1 Odd Number bye!
88	The number is 88 Even Number bye!	-2	The number is -2 Even Number bye!

1.5 PrintNumberInWord (nested-if, switch case)

Write a program called PrintNumberInWord which prints "ONE", "TWO", ..., "NINE", "OTHER" if the variable "number" is 1, 2, ..., 9 or other, respectively. Use (a) a "nested-if" statement; (b) a "switch case default" statement.

a) nested-if

```
public class PrintNumberInWord {
    public static void main (String args[]) {
        int number = 5;
        if (number == 1) {
            System.out.println ("ONE");
        }
        else if (number == 2) {
            System.out.println ("TWO");
        }
        else if (number == 3) {
            System.out.println ("THREE");
        }
        else if (number == 4) {
            System.out.println ("FOUR");
        }
        else if (number == 5) {
            System.out.println ("FIVE");
        }
        else if (number == 6) {
            System.out.println ("SIX");
        }
    }
}
```



## LABORATORY WORK SHEET

Name of the Student : .....

Class: Btech CSE Semester: First

Roll Number

Course Code : ACSD02 Course Name : OOP with java

Name of the Course Faculty: ..... Faculty ID : .....

Exercise Number : ..... Week Number : ..... Date : .....

### DAY TO DAY EVALUATION:

Marks	Aim / Preparation	Algorithm / Procedure	Source Code	Program Execution	Viva - Voce	Total
		Performance in the Lab	Calculations and Graphs	Results and Error Analysis		
Max. Marks	4	4	4	4	4	20
Obtained						

Signature of Faculty

### START WRITING FROM HERE :

```
else if (number == 7) {
    System.out.println ("SEVEN");
}
else if (number == 8) {
    System.out.println ("EIGHT");
}
else if (number == 9) {
    System.out.println ("NINE");
} else {
    System.out.println ("OTHER");
}
}
```

b) Switch case default

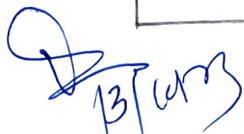
```

public class PrintNumberInWord {
    public static void main (String args []) {
        int number = 5;

        switch (number) {
            case 1:
                System.out.println ("ONE"); break;
            case 2:
                System.out.println ("TWO"); break;
            case 3:
                System.out.println ("THREE"); break;
            case 4:
                System.out.println ("FOUR"); break;
            case 5:
                System.out.println ("FIVE"); break;
            case 6:
                System.out.println ("SIX"); break;
            case 7:
                System.out.println ("SEVEN"); break;
            case 8:
                System.out.println ("EIGHT"); break;
            case 9:
                System.out.println ("NINE"); break;
            default:
                System.out.println ("OTHER"); break;
        }
    }
}

```

number	Output
1	ONE
9	NINE
18	OTHER





1.6 PrintDayInWord (nested-if, switch-case)

Write a program called PrintDayInWord which prints "SUNDAY", "MONDAY", ... "SATURDAY" if the int variable "dayNumber" is 0, 1, ... 6, respectively. Otherwise, it shall print "Not a valid day". Use (a) a "nested-if" (b) "Switch-case-default" statement.

switch - case - default

```

public class PrintDayInWord {
    public static void main (String args[]) {
        int dayNumber = 0;
        switch (dayNumber) {
            case 0 :
                System.out.println ("Sunday"); break;
            case 1 :
                System.out.println ("Monday"); break;
            case 2 :
                System.out.println ("Tuesday"); break;
            case 3 :
                System.out.println ("Wednesday"); break;
            case 4 :
                System.out.println ("Thursday"); break;
            case 5 :
                System.out.println ("Friday"); break;
            case 6 :
                System.out.println ("Saturday"); break;
            default :
                System.out.println ("Not a valid day");
        }
    }
}

```

ROLL NUMBER :

day Number	Output
0	Sunday
3	Wednesday
5	Friday
7	Not a valid day

13/4/23