# Lab worksheet 4: Selection Statements

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#### 01)Code:

```
package Q01;
import java.util.Scanner;
public class Q01 {
    public static void main(String[] args) {
        Scanner scan =new Scanner(System.in);
        System.out.println("Enter First integer:");
        int num1= scan.nextInt();
        System.out.println("Enter Second integer:");
        int num2= scan.nextInt();
        System.out.println("Enter Third integer:");
        int num3= scan.nextInt();
        int smallest=num1;
        if (num2<smallest) {
            smallest=num2;
        }
        if (num3<smallest) {
            smallest=num3;
        }
        System.out.println("Smallest Value:"+smallest);
    }
}
```

## 02)Code:

```
package Q02;
public class Q02 {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
       System.out.println("Enter a num between(0-4):");
            System.out.println("Invalid Selection");
            System.out.println("You are selected:"+color);
```

#### Output:

# 03)Cade:

## 04)Code:

```
package Q04;
import java.util.Scanner;
public class Q04 {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        System.out.println("Enter the year:");
        int year= scan.nextInt();
        boolean isLeapYear=false;
        if(year%4==0) {
            if(year%400==0||year%100!=0) {
                isLeapYear=true;
            }
        }
        if(isLeapYear) {
                System.out.println("The given year("+year+")"+"is leap year");
        }
        else{
                System.out.println("The given year("+year+")"+"is not leap
        year");
        }
    }
}
```

```
Run Q04 ×

"C:\Program Files\Java\jdk-23\bin\java.exe" "-javaagent:
Enter the year:
2025
The given year(2025)is not leap year

Process finished with exit code 0
```

## 05)Code:

```
package Q05;
   public static void main(String[] args) {
       Scanner scan = new Scanner(System.in);
       System.out.println("Entree(Enter a num between(1-4)):");
       String chooseA;
       System.out.println("Side Dish(Enter a num between(1-4)):");
       String chooseC;
               chooseA="Tofu Burger-$3.49";
                chooseA="Buffalo Wings-$3.99";
                chooseB="Rice Cracker-$0.79";
                chooseB="Zucchini-$1.09";
```

```
switch(drink) {
    case 1:
        chooseC="Cafe Mocha-$1.99";
        break;
    case 2:
        chooseC="Cafe Latte-$1.90";
        break;
    case 3:
        chooseC="Espresso-$2.49";
        break;
    case 4:
        chooseC=" Oolong Tea-$0.99";
        break;
    default:
        chooseC=null;
        break;
}
System.out.println("Entree:"+chooseA);
System.out.println("Side Dish :"+chooseB);
System.out.println("Drink:"+chooseC);
}
```

```
"C:\Program Files\Java\jdk-23\bin\java.exe" "-javaager Entree(Enter a num between(1-4)):

1
Side Dish(Enter a num between(1-4)):
2
Drink(Enter a num between(1-4)):
3
Entree:Tofu Burger-$3.49
Side Dish :No-Salt Fries-$0.69
Drink:Espresso-$2.49

Process finished with exit code 0
```