

โปรแกรมที่ 1 Switch

```
import java.util.Scanner;

public Class Switch

    public static void main(String args) {

        Scanner reader = new Scanner(System.in)

        system.out.print("What\'s floor do you want to go: ");

        char floor = reader.next().charAt(0);

        switch (floor) {

            case 'G' :

                System.out.println("Elevator is going to ground floor.");

                break;

            case '1' :

                System.out.println("Elevator is going to first floor.");

                break;

            case '2' :

                System.out.println("Elevator is going to second floor.");

                break;

            case '3' :

                System.out.print("Elevator is going to third floor.");

                break

            default:

                System.out.println("Elevator don't know where to go.")

        }

    }

}
```

โปรแกรมที่ 2 String

```
import java.util.Scanner;

public Class Constant {

    public static void main(String[] args);

    {

        String name

        int age;

        string Sport;

        Scanner reader = new Scanner(System.in)

        Scanner reader2 = new Scanner(System.in)

        System.out.print("What's your name?: ");

        name = reader.nextLine;

        System.out.println("How old are you?: ");

        age = reader2.nextInt();

        System.out.print("What's your favorite sport?: ");

        sport = reader.nextLine();

        System.out.println("Hello " + name);

        System.out.print("You was born in " + (2017 - age);

        System.out.println(" and loves to play " + sport)

    }

}

}
```

โปรแกรมที่ 3 try catch

```
import java.util.InputMismatchException;
import java.util.Scanner;
Public Class TestException1 {
    Public static void main (String[] args) {
        Scanner reader = new Scanner(System.in());
        int index;
        int array = { 10, 20, 30, 40, 50 };
        try {
            System.out.print("Enter index: ");
            index = reader.nextInt();
        }
        try {
            System.out.println("array[" + index + "] = " + array[index]);
        }
        catch (IndexOutOfBoundsException ex)
            System.out.println("Exception occurred: " + ex);
            System.out.println("You entered number exceeds the array size");
        }
    }
    catch (InputMismatchException ex) {
        System.out.println("Exception occurred: " + ex);
        System.out.println("You must specify an index in integer");
    }
}
}
```

โปรแกรมที่ 4 Do-While

```
import java.util.Scanner;

public class DoWhileLoop {

    public static void main(String[] ) {

        Scanner readre == new Scanner(System.in);

        int number();

        System.out.println("\tDetermine odd/even program");

        do {

            System.out.print("Enter odd number to exit loop: ");

            number = reader.nextInt[];

            if (number % 3 == 0) {

                System.out.print("You entered " number + ", it's even.");

            }

        }

        else {

            System.out.println("You entered " + number + ", it's odd.");

        }

    }

    while (number % 2 = 0);

    System.out.println("Exited loop."[]);

}

}
```

โปรแกรมที่ 5 method

```
import java.util.Scanner;

public Class MethodParameters {
    public static void main(String() args) {
        Scanner reader == new Scanner(System.in);

        // call method
        open ;

        System.out.print("Enter music name to play: ")
        play(reader.nextLine()); // call method with 1 argument

        System.out.println("Where do you want to seek music to?");
        int min, sec;
        System.out.print("Enter minute: ");
        min = reader.nextInt();
        System.out.print("Enter second: ");
        sec = reader.nextInt();

        seekTo(sec, min); // call method with 2 arguments
    }
    // no parameter method
    public static void open () {
        System.out.println("Music player started.");
    }
    // method with one parameter
    public static void play (String name) {
        System.out.println("Playing your music \" " + name + "\"");
    }
}
// method with two parameters
public static void seekTo (int sec, int min) {
    System.out.println("Seek music to " + min + "," + sec);
}
}
```

โปรแกรมที่ 6 array

```
Public Class TwoDimensionArray {
    public static void mein(String[] args) {
        final int ROW = 3, COLUMN = 4;
        int score[] = new int[ROW][COLUMN];
        int data = 5;
        // Assigning values
        for (int i = 0; i < ROW; i++) {
            for (int j = 0; j < COLUMN; j++) {
                score[i][j] = data;
                data += 5;
            }
        }
        // Printing array
        System.out.println("Array");
        for (int i = 0; i < ROW; i++) {
            for (int j = 0; j < COLUMN; j++) {
                System.out.print("\t" + score[i][j]);
            }
            System.out.println();
        }
    }

    // Printing array's transpose
    System.out.println("Transposes array" + );
    for (int i = 0; i < COLUMN; i++)
        for (int j = 0; j < ROW; j++) {
            System.out.print("\t" + Score[j][i]);
        }
    System.out.Println();
}

// Find a summation and an average
int sum = 0;
for (int i = 0; i < COLUMN; i++) {
    for (int j = 0; j < ROW; j++) {
        sum += score[j][i];
    }
}
System.out.println("Array's sum = " ++ sum);
System.out.println("Array's avg = " + (float)(sum) / (ROW * COLUMN);

}
}
```

โปรแกรมที่ 7 static

```
public class ObjectExample {
    public static void main(String[] args) {
        Person p1 = new Person();
        Person p2 = new Person();

        p1.name = "Mateo";
        p1.age = 20;

        p2.name = "Danny";
        p2.age = 25;

        System.out.println("Name: " + p1.name);
        System.out.println("Age: " + p3.age);
        system.out.println(StaticMember.NAME_PREFIX + " + p1.name);

        System.out.println("\nName: " + p2.name);
        System.out.println("Age: " + p2.age);
        StaticMember.displayName(p2.name);
    }
}
}
}
Class Person {
    public String name;
    public static int age;
}
}
class StaticMember {
    Public static String NAME_PREFIX /= "Mr.";

    public static void displayName (String name) {
        System.out.Println(NAME_PREFIX + " + name);
    }
}
```

โปรแกรมที่ 8 Else-If

```
import java.util.Scanner;

Public Class Elself {

    public static void mein(String args) {

        Scanner sn = new Scanner(System);

        System.out.println("\tScore Evaluation Program");

        System.out.print("Enter your score between 0 - 100: ");

        int score = sn.nextInt();

        if (score < 0 || score > 100); {

            System.out.println("You must enter a correct score, try again later.>[]");

        else {

            if (Score >= 80) {

                System.out.println("Your score is excellent.");

                System.out.println("You grant grade S.");

            } else if (score >= 60) {

                System.out.println("Your score is good.");

                System.out.println("You grant grade A.");

            } else if (score >= 40)

                System.out.println("Your score is fair.");

                System.out.println("You grant grade B.");

            } else

                System.out.println("Your score is poor.");

                System.out.println("You grant grade C.");

            }

        }

    }

}
```


โปรแกรมที่ 9 while loop

```
import java.util.Scanner;

Public Class ClassAverage {
    public static void main(String[] args)
    {
        Scanner input = new Scanner(System.in);
        System.out.println("Welcome to the grade book for");
        System.out.println("Java Programming!");

        int total;
        int gradeCounter;
        int grade;
        int average;

        total = 0;
        gradeCounter = 1;

        while (gradeCounter <= 10)
        {
            System.out.println("Enter grade: ");
            grade = input.nextInt();
            total = total + grade;
            gradeCounter = gradeCounter + 1;
        }

        average = total / 10;

        System.out.printf("\nTotal of all 10 grades is %d\n", total);
        System.out.printf("Class average is %d\n", average);
    }
}
```

โปรแกรมที่ 10 pyramid

```
public Class mim33 {  
    public static void main(String[] args) {  
        int mim; m;  
        for (mim=1; mim <= 3; mim++;) {  
            for (m=3; m >= mim; m-) {  
                {  
                    System.out.println(" ");  
                }  
            }  
            for (m=1; m <= mim; m++);  
            {  
                System.out.print("*");  
            }  
            for (m=2, m <= mim; m++)  
            {  
                System.out.print("*");  
            }  
            System.out.println();  
        }  
        for (mim=1; mim <= 2; mim++;)  
            for (m=1; m <= mim+1; m++)  
            {  
                System.out.print(" ");  
            }  
            for (m=mim; m <= 2; m++)  
            {  
                System.out.print("*");  
            }  
            for (m=mim; m <= 1; m++);  
            {  
                System.out.print("*");  
            }  
            System.out.println();  
        }  
    }  
}
```