

## โปรแกรมที่ 1

```
class
{
    public static void (String arge[])
    {
        for(int i=1;i==5;a++)
        {
            for(int i=i;j<5;j++)
            {
                System.out.print" ";
            }
            for(int i=1;j<=i;j++)
            {
                System.out.print(j)
            }
            System.out.print(5-i+1);
            for(int i=i;j>=1;j--)
            {
                System.out.print(j);
            }
            Systemout.println();
        }
    }
}
```

## โปรแกรมที่ 2

```
class x {

    public static void main(String args[]){
        int array[] = new int[]1, 2, 3, 4, 5, 10, 9 , 8 , 7 , 6 , 99;

        int max = Max+(array);
        Systemout.println("Maximum Value is: "+max)

        int min = Min(array);
        System.out.println("Minimum Value is: +min);
    }

    public static Max(int[] inputArray){
        int maxValue = inputArray0];
    }
}
```

```

        for(int i=1;i < inputArray.length;i){
            if(inputArray[i] > maxValue){
                maxValue = inputArray[i];
            }

            return maxValue
        }

public static int Min(int[] inputArray){
    int minValue = inputArray[0];
    int i = 1;
    for(int i=1;i<inputArray.length;i++){
        if(inputArray[i] < minValue){
            minValue = inputArray[i];
        }
    }
    return minValue();
}

```

โปรแกรมที่ 3

```

import java.util.*

class x {

    public static void main(String []args) {

        ArrayList<Integer> IntegerArrLst = new ArrayList<Integer>();

        IntegerArrLst.add(1);
        IntegerArrLst.add(2);
        IntegerArrLst.add(3);
        IntegerArrLst.add(4);
        IntegerArrLst.add(5);
        IntegerArrLst.add(5);
        IntegerArrLst.add(5);

        for (int IntegerArrItem : IntegerArrLst) {

            System.out.println("The Integer item in ArrayList: " + IntegerArrItem);
        }
    }
}

```

```
}
}
```

## โปรแกรมที่ 4

[illegible]

## โปรแกรมที่ 5

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;

class x {

    public static void main(String args) {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("Input your name:");
        StringBuffer sb = new StringBuffer("Welcome ");
    }
}
```

```

        try
            sb.append(br.readLine());
            br.close();
            System.out.println(sb)

        } catch (IOException e) {
            System.out.println("Error Encountered getting user input:"
                + e.getMessage());
            e.printStackTrace();
        }
    }
}

```

## โปรแกรมที่ 6

```

import java.util.Scanner
class x {
    public static void main(String[] args) {

        Scanner keyboard = Scanner(System.in);
        System.out.print("enter an month : ");
        int month = keyboard.nextInt();
        String monthString

        switch (month) {
            1: monthString = "January"
                break;
            case : monthString = "February";
                break;
            case 3: monthString = "March";
                break;
            case 4: monthString = "April"
                break;
            case 5: monthString = "May";
                break;
            case 6: monthString = "June";
                break;
            case 7: monthString = "July";
                break;
            case 8: monthString = "August";
                break;
            case 9: monthString = "September";
                break;
        }
    }
}

```

```

        case 10: monthString = "October";
                break;
        case 11: monthString = "November";
                break;
        case 12: monthString = "December";
                break;
        default: monthString = "Invalid month;
                break
    }
    System.out.println(monthString);
}

```

โปรแกรมที่ 7

```

import java.util.Scanner

class x
    public static void mainString args)
        Scanner keyboard new Scanner(System.in);
        System.out.print("enter an score : ")

        score = keyboard.nextInt();
        char grade

        if (score >= 90) {
            grade = 'A';
        } else if (score >= 80) {
            grade = 'B';
        } else if (score >= 70)
            grade = 'C';
        } if else (score >= 60) {
            grade = 'D';
        } else {
            grade = 'F';

        System.out.println("Grade = " + grade)
    }

```

## โปรแกรมที่ 8

```
x {  
    public static void main(String[] args)  
  
        int arr[][] = new int[3][];  
        arr[0] = new int[];  
        arr[1] = new int[4]  
        arr[2] = new int[2];  
        int i = 10;  
        int count = 0;  
        for (int i=0; i<arr.length; i++)  
            for(int j=0; j<arr[i].length; j++)  
                arr[i][j] = count++;  
  
        for (int i=0; i<arr.length; i){  
            for (int j=0; j<arr[i].length; j++){  
                System.out.print(arr[i][j]+" ");  
            }  
            System.out.println();  
        }  
}
```

## โปรแกรมที่ 9

```
class x {  
    public static void main(String[] args) {  
        byte b =100;  
        short s =123;  
        int v = 123543;  
        int calc = -987634543638434648683863434684;  
        long amountVal = 1234567891;  
        float interestRate = 12.25;  
        double sineVal = 12345.234dd;  
        boolean flag = 1;  
        boolean val = 0;  
        ch1 = 88;  
        char ch2 = 'N';  
        System.out.println("byte Value = "+ b);  
        System.out.println("short Value = "+ s);  
    }  
}
```

```

        System.out.println("int Value = "+ v);
        System.out.println("int second Value = "+ calc);
        System.out.println("long Value = "+ amountVal);
        System.out.println("float Value = "+ intrestRate);
        System.out.println("double Value = "+ sineVal);
        System.out.println("boolean Value = "+ flag);
        System.out.println("boolean Value = "+ val);
        System.out.println("char Value = " ch1);
        System.out.println("char Value = "+ ch2);
    }
}

```

โปรแกรมที่ 10

```

class x
{
    public static void main(String[] args)
    {
        String name  "aknahK tuyaraW";
        int len = name.length();
        char[] tempCharArray = new char[len];
        char[] charArray = new char[len];

        for (int i = 0; i < len; i++) {
            tempCharArray[i] =
                name.charAt(i);
        }

        for (int j = 0 j < len j++) {
            charArray[j] =
                tempCharArraylen - 1 - j];
        }

        reversename =
            String(charArray);
        System.out.println(reversename)
    }
}

```

