

```

package schenk.teach;

/*
 * Dr. Schenk
 * CTAERN Course
 * 4 February 2023
 * Middle of Winder, Georgia
 */

public class Begin {

    //Main entry point for my program
    public static void main(String[] args) {

        //Saying hello to the world
        //System.out.println(s);

        String s = "Hello, World!";

        int x=14;

        Integer y=7;

        int arr[] = {12, 3, 4, 7, 12, 34};

        System.out.println(arr[0]);
        System.out.println(arr[1]);
        System.out.println(arr[2]);

        //Our first if/else
        if(x<10) {
            System.out.println("X is in fact less than 10.");
        }else {
            System.out.println("X is bigger than 10.");
        }

        //Variable for use in the switch
        char menuSelection= 'j';

        switch (menuSelection) {

            case 'a': System.out.println("User Picked Menu A");
                    break;
            case 'b': System.out.println("User Picked Menu B");
        }
    }
}

```

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        break;
    case 'j': System.out.println("User Picked Menu J");
        break;
    case 'l': System.out.println("User Picked Menu L");
        break;
    case 'x': System.out.println("User Picked Menu X");
        break;
    default: System.out.println("None of the above");

}
System.out.println();
System.out.println();

//Iteration Section
System.out.println("Looping by 1");
for(int i=0; i<10; i++) {
    System.out.println("Loop counter: " + i + ".");
}

System.out.println();
System.out.println();
System.out.println("Looping by 4");
for(int i=0; i<100; i+=4) {
    System.out.println("Loop counter: " + i + ".");
}

System.out.println();
System.out.println();
System.out.println("Looping through arr");
for(int g=0; g<arr.length; g++) {
    System.out.println("arr[" + g + "]" + " = " +
arr[g]);
}

System.out.println();
System.out.println();
System.out.println("Looping backwards through arr");
for(int j=arr.length-1; j>=0; j--) {
    System.out.println("arr[" + j + "]" + " = " +
arr[j]);
}

//Do While Loops

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```
double notAnIndexer = 3400;
do {
    notAnIndexer = notAnIndexer * 2.43;
    System.out.println(notAnIndexer);
}while(notAnIndexer < 1000);

//While Loop

//reset notAnIndexer
notAnIndexer = 3400;

while(notAnIndexer < 1000) {
    notAnIndexer = notAnIndexer * 2.43;
    System.out.println(notAnIndexer);
}

}

}
```