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//Java Array Practice 1
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//IB HL CS
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```
import java.util.Scanner;
```

```
public class arrayexample {
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```
    public static void main (String[] args) {
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```
        //First array example with grades:
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        int[] arr = new int[10];
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        arr[0] = 60;
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        arr[1] = 62;
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```
        arr[2] = 70;
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        arr[3] = 75;
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        arr[4] = 80;
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        arr[5] = 85;
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        arr[6] = 88;
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```
        arr[7] = 90;
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        arr[8] = 97;
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        arr[9] = 99;
```

```
        for (int i = 0; i < arr.length; i++) {
        }
```

```
        for (int i=0; i < arr.length; i++) {
```

```
            System.out.println("Grade: " + arr[i]);
```

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

```
        double total1 = 0;
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```
        for (int i = 0; i < arr.length; i++) {
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```
            total1 += arr[i];
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        }
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```
        System.out.println("Total: " + total1);
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        double average = total1 / 10;
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```

        System.out.println("Class Average: " + average);

//Array taking scanner input:

Scanner input = new Scanner(System.in);
System.out.println("Enter 10 prices:");
int arr1 [] = new int [10];

for (int l = 0; l < arr1.length; l++) {
    arr1 [l] = input.nextInt();
}
double total2 = 0;

for (int l = 0; l < arr.length; l++) {

    total2 += arr1[l];

}

System.out.println("Total: " + total2);

double average2 = total2 / 10;
System.out.println("Price Average: " + average2);

//Array taking strings:

String[] arr2 = new String[10];

arr2[0] = "Dan";
arr2[1] = "David";
arr2[2] = "Dylan";
arr2[3] = "Drake";
arr2[4] = "Don";
arr2[5] = "Daniel";
arr2[6] = "Donny";
arr2[7] = "Dobrik";
arr2[8] = "Dalton";
arr2[9] = "Dido";

for (int n = 0; n < arr2.length; n++) {
    System.out.println("Array 3: " + arr2[3]);
    System.out.println("Array 7: " + arr2[7]);
    System.out.println("Array 10: " + arr2[10]);
}

}
}

```

