To run Java Program using Bat Script

```
@echo off
javac *.java
java filename
del *.class
```

Datatype Declaration and Initialization

`float f = 1.2f;`	Float declaration and initialization
`long l = 8_000_ 000 _000 L;`	Long declaration and initialization
`var v = 1;`	Variable type inference

Arrays

```
//Declaration of Array Datatype.
datatype[] variable = new dataty pe[20];
//Returns Length of the array.
variab le.l ength;
//Sort the array.
Arrays.so rt( var iable);
//sort from one index to another index.
Arrays.so rt( var iab le, fro mIn dex ,en dIn dex);
//Binary Search in-built.
Arrays.bi nar ySe arc h(v ari abl e,i ntKey);
//Binary Search in a Specific Range.
Arrays.bi nar ySe arc h(v ari abl e,f rom Ind ex, -
toI nde x,i ntKey);
//Converts and returns the array as String.
Arrays.to Str ing (va riable)
//Compare two arrays if they are same.
Arrays.eq ual s(v ari abl e1, var iab le2);
```

Arrays

```
//Array declar ation and initia liz ation
datatype[] variable = new dataty  pe [20];
//Length of the array
variab  le.l  ength;
//Sort the array
Arrays.so  rt ( v ar  iable);
//Sort from one index to another index
Arrays.so  rt ( v ar  iable, fromIndex, endIndex);
//Binary search in-built
Arrays.bi  na r y Se  arc  h( v a ri  able,
intKey);
//Binary search in a specific range
Arrays.bi  na r y Se  arc  h( v a ri  able,
fromIndex, toIndex, intKey);
//Convert and return the array as a string
Arrays.to  St r i ng  (va  ri a ble);
//Compare two arrays if they are the same
Arrays.eq  ua l s (v  ari  able1, variab  le2);
```

Big Decimal

```
//Big Integer declar ation
BigDecimal variable = new BigDec  im a l ("V  -
alu  e");
//Adding two Big Integers and returning the value.
variable3 = variab  le 1.a d d (v  ari  ab le2);
//Mult ip  lying two Big Integers and returning the
value.
variable3 = variab  le 1.m u l ti  ply  (v a r -
ia  ble2);
//Subt ra  cting two Big Integers and returning the
value.
variable3 = variab  le 1.s u b tr  act  (v a r -
ia  ble2);
//Dividing two Big Integers and returning the
value.
variable3 = variab  le 1.d i v id  e(v  ar i a -
ble2);
//Finds if Variable1 is Max or Variable2 is.
variable3 = variab  le 1.m a x (v  ari  ab le2);
//Finds if Variable1 is Min or Variable2 is.
variable3 = variab  le 1.m i n (v  ari  ab le2);
```


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