

Random Numbers

It is easy to work with random numbers in Java:

a) At the top of the program import the Java utilities:

```
import java.util.*;
```

b) You need to construct a new random number generator:

```
random rand = new Random()
```

c) Then `rand.nextInt(n)` generates a new random number between 0 and $n-1$.

d) `rand.nextFloat()` gives the next floating point number between 0 and 1.

e) `rand.setSeed(n)` restarts the random number generator at a fixed place so it generates the same sequence of random numbers each time the program is run.