

Jamie Gashler
10/03/22

Screen Capture of working code

The screenshot shows the Eclipse IDE with a Java project named 'NewRandom'. The main editor displays the file 'NewRandomTest.java' with the following code:

```

25     }
26     System.out.println();
27
28
29
30     //Test for method 2
31     System.out.println("\nMethod 2: nextChar()");
32     for (int i = 0; i < test; i++)
33     {
34         char a = rand.nextChar();
35         System.out.print(a + " ");
36     }
37     System.out.println();
38
39
40
41     //Test for method 3
42     System.out.println("\nMethod 3-1: nextChar(c,f)");
43     for (int i = 0; i < test; i++)
44     {
45         char a = rand.nextChar('c', 'f');
46         System.out.print(a + " ");
47     }
48     System.out.println();
49
50     System.out.println("\nMethod 3-2: nextChar(x,c)");
51     for (int i = 0; i < test; i++)

```

The Console window at the bottom shows the output of the program:

```

<terminated> NewRandomTest [Java Application] C:\Users\lamie\p2\poo\plugins\org.eclipse.jdt\openjdk hotspot\jre.full.win32.x86_64.17.0.4.20220903-1038\jre\bin\java.exe (Oct 3, 2022, 9:21:01 AM - 9:21:02 AM) [pid: 13724]

Method 1: nextInt(5,9)
5 6 5 7 8 6 5 7 5 8 7 8 8 9 8 6 5 9 7 5 7 5 9 8 8

Method 2: nextChar()
h t n l t i f t s c d q d q x d v j a h z u v b

Method 3-1: nextChar(c,f)
f f d f e e d f d c c d d c d c e e d d c d e f

Method 3-2: nextChar(x,c)
b y x b z z c x x z z y x y x c b x x z y z b y a

Method 4-1: nextCharOne(c,f)

```

eclipse-workspace - NewRandom/src/random/NewRandomTest.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer X

NewRandomTest.java X NewRandomTest.java

```
75 System.out.println();
76
77 //Test for method 5
78 System.out.println("\nMethod 5-1: nextChar(c,3)");
79 for (int i = 0; i < test; i++) {
80     char a = rand.nextChar('c', 3);
81     System.out.print(a + " ");
82 }
83 System.out.println();
84
85 System.out.println("\nMethod 5-2: nextChar(x,5)");
86 for (int i = 0; i < test; i++) {
87     char a = rand.nextChar('x', 5);
88     System.out.print(a + " ");
89 }
90
```

JavaDoc Declaration Console X

<terminated> NewRandomTest [Java Application] C:\Users\Jamie\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220903-1038\jre\bin\javaw.exe (Oct 3, 2022, 9:07:44 AM) [pid: 6984]

Method 4-1: nextCharNone(c,f)
a q a b b a q u q y b g b a a a b r b z y b b

Method 4-2: nextCharNone(x,c)
j h w i d v j g f g o p j i q r l t n v e e s v r

Method 5-1: nextChar(c,3)
e e d e f e f c c e f d f d c d f f e c d f c e d

Method 5-2: nextChar(x,5)
a b z x y y b z z z b z z b b a z b a c z x a b a

Method 5-3: nextChar(c,-3)
c b b c a a b a a a z b c b b z z c z a a c b b a

Method 5-4: nextChar(x,-3)
v x u u x u x v w u v x w u u x w v x w u x u x w

Method 5-5: nextChar(k,0)
k k

Method 6: nextSpecialChar()
@ # + \ '] ; , / ! / ' ~ & % ? } % * ? * ^ +

Writable Smart Insert 83 : 10 : 1760

eclipse-workspace - NewRandom/src/random/NewRandomTest.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer X

NewRandomTest.java X NewRandomTest.java

```
78 //
79 // //Test for method 5
80 System.out.println("\nMethod 5-1: nextChar(c,3)");
81 for (int i = 0; i < test; i++) {
82     char a = rand.nextChar('c', 3);
83 }
84
```

JavaDoc Declaration Console X

<terminated> NewRandomTest [Java Application] C:\Users\Jamie\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220903-1038\jre\bin\javaw.exe (Oct 3, 2022, 9:00:45 AM) [pid: 9296]

Method 1: nextInt(5,9)
6 7 8 5 6 8 8 6 9 9 5 7 7 6 9 7 7 6 5 9 8 8 7 5 5

Method 2: nextChar()
d a n o z e a x v e t r z c w x r o k w d g q b q

Method 3-1: nextChar(c,f)
c e c d e e e f c e e f d d c d e d d d f c e e

Method 3-2: nextChar(x,c)
c c a x z z c b c b b z c z y c z c y b b a a z

Method 4-1: nextCharNone(c,f)
k m a r v b g u i b s h a z x b i q b b q a n a a

Method 4-2: nextCharNone(x,c)
s f t k k h r h j o t h f w e v v l t t n l g s n m

Method 5-1: nextChar(c,3)
f e f e f d c e c d f c e d f e e d e e f c f c e

Method 5-2: nextChar(x,5)
y c y c a y a a b z c x x y b x z x b b c a x z y

Method 5-3: nextChar(c,-3)
z z c z a b b z a b z a b z a a a a b b z z c c

Method 5-4: nextChar(x,-3)
u x u v x w w w v u x u x x u u v x u u v x v

Method 5-5: nextChar(k,0)
k k

Method 6: nextSpecialChar()
" ' ? / ' * ? ' ~ ' @ _ = ' _ \$ / * _ ! | . @ >

Writable Smart Insert 123 : 17 : 2675

