Scanner/Files Worksheet

AP Computer Science Mrs. Alano

Name

Show the output of each block of code below.

1. What is the output?

String s = "a big dog ran by";

Scanner chopper = new Scanner(s); out.println(chopper.next());

out.println(chopper.next());

out.println(chopper.next());

a big dog ran by

a big dog ran by

a big dog ran by

2. What is the output?

String line = "1 2 7 8 9 11";

Scanner chop = new Scanner(line);

out.println(chop.nextInt()\*2);

out.println(chop.nextInt()-5);

out.println(chop.nextInt()/2);

out.println(chop.nextInt()%4);

2

-3

3

0

String stuff = "10 cat 3.4 frog 3442 3.33";

Scanner chopIt = new Scanner(stuff);

out.println(chopIt.nextInt());

out.println(chopIt.next());

out.println(chopIt.nextDouble());

out.println(chopIt.next());

out.println(chopIt.nextDouble());

out.println(chopIt.next());

3. What is the output?

10

Cat

3.4

Frog

3442.0

3.33

String nums = "1 2 3 4 5 6 7";

Scanner chopAh = new Scanner(nums);

while(chopAh.hasNextInt())

{

out.println(chopAh.nextInt()%2);

}

4. What is the output?

1

0

1

0

1

0

1

5. What is the output?

String s = "r u n x";

Scanner chopper = new Scanner(s);

while(chopper.hasNext())

{

String val = chopper.next();

out.println(val);

}

R

U

N

x

6. What is the output?

String line = "1 2 7 8 9 11";

Scanner chop = new Scanner(line);

int cnt=0;

while(chop.hasNextInt())

{

if(chop.nextInt()%2==1)

cnt++;

}out.println(cnt);

4

String ints = "4 5 6 7 8";

Scanner chopIt = new Scanner(ints);

int total = 0;

while(chopIt.hasNextInt())

{

int num = chopIt.nextInt();

total = total + num;

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

7. What is the output?

30

String doubles = "2.2 4.4 6.3 5.2";

Scanner chopAh = new Scanner(doubles);

while(chopAh.hasNextDouble())

{

double val = chopAh.nextDouble();

out.println(val);

}

8. What is the output?

2.2

4.4

6.3

5.2

9. What is the output?

Scanner file = new Scanner(new File("nums.dat"));

int size = file.nextInt();

int count = 0;

for(int i=1; i<=size; i++ )

{

int number = file.nextInt();

if(number%2==0)

count++;

}

out.println(count);

5

**nums.dat**

7

12

11

6

78

34

23

76

213

345

10. What is the output?

Scanner theFile = new Scanner(new File("stuff.dat"));

int cnt = theFile.nextInt();

int sum=0;

for(int j=1; j<=cnt; j++ )

{

int num = theFile.nextInt();

if(num%2==1)

sum=sum+num;

}

out.println(sum);

40

**stuff.dat**

7

9

1

5

6

8

23

11

2

5