


Response Report


Session: Stonehill Sun, May 16, 2004 10:27 AM

Class: Road Show


```
1 > HashSet s = new HashSet();  
> s.size()
```

	A	25%	0
	B	0%	10
	C	5%	NullPointerException
	D	3%	no such method


```
2 > HashSet s = new HashSet();  
> s.size()  
0  
> s instanceof Collection
```

	A	30%	true
	B	3%	false
	C	0%	
	D	0%	


```
3 > s.add("cat")
```

	A	23%	true
	B	0%	false
	C	0%	"cat"
	D	8%	[cat]

```
4 > s.add("cat")  
true  
> s  
[cat]  
> s.add("cat")
```

	A	5%	true
	B	25%	false
	C	0%	null
	D	0%	"cat"

```
5 > s.add("cat")  
true  
> s.add("cat")  
false  
> s
```

	A	0%	"cat"
	B	30%	[cat]
	C	0%	[cat, cat]
	D	0%	[catcat]

Response Report continued...

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```
6 > s
[cat]
> s.add("dog");
> s.add("pig");
> s
```

A 13% [cat, dog, pig]

B 8% [pig, cat, dog]

C 0% [pig]

D 13% A and B are both possibilities

```
7 > s
[pig, cat, dog]
> s.get(1)
```

A 5% "pig"

B 15% "cat"

C 0% null

D 13% no such method

```
8 > class Backpack {
private HashSet pack;

public Backpack() {
pack.add("compass");
pack.add("evian");
pack.add("towel");
}

public int size() {
return pack.size();
}
}
> new Backpack().size()
```

A 8% 0

B 23% 3

C 3% NullPointerException

D 0% [compass, evian, towel]

Response Report continued...


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```
9 > class Backpack {
    private HashSet pack =
        new HashSet();

    public Backpack() {
        pack.add("compass");
        pack.add("evian");
        pack.add("towel");
    }


    public int size() {
        return pack.size();
    }
}
> b = new Backpack();
> b.size()
```

A	5%	0
 B	28%	3
C	0%	NullPointerException
D	0%	no such method

```
10 > class Backpack {
    private HashSet pack =
        new HashSet();

    public Backpack() {
        pack.add("compass");
        pack.add("evian");
        pack.add("towel");
    }

    public int size() {
        return pack.size();
    }
}
> b = new Backpack();
> b.size()
3
> b.add("kitchen sink")
```

A	20%	true
B	0%	false
C	3%	NullPointerException
 D	10%	no such methodo


Response Report continued...

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```
11 > class Backpack
    extends HashSet {

    public Backpack() {
        add("compass");
        add("evian");
        add("towel");
    }
}
> new Backpack().size()
```

A	0%	NullPointerException
B	0%	0
 C	33%	3
D	0%	no such method

```
12 > class Backpack
    extends HashSet {

    public Backpack() {
        add("compass");
        add("evian");
        add("towel");
    }
}
> b = new Backpack();
> b.add("kitchen sink");
> b
```

A	0%	[compass, evian, towel, kitchen sink]
B	3%	[evian, towel, kitchen sink, compass]
C	0%	BackPack@a69ae7
 D	30%	both A and B are possibilities

Response Report continued...

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```
13 > class Backpack
    extends HashSet {

    public Backpack() {
        add("compass");
        add("evian");
        add("towel");
    }

    public boolean
    add(Object x) {
        if (x.equals(
            "kitchen sink"))
            return false;
        return super.add(x);
    }
}
> b = new Backpack();
> b.add("kitchen sink");
> b.contains("kitchen sink")
```

<input type="radio"/>	A	8%	true
<input checked="" type="radio"/>	B	20%	false
<input type="radio"/>	C	0%	null
<input type="radio"/>	D	5%	no such method

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Class: Road Show

```
14 > class Backpack
    extends HashSet {

    public Backpack() {
        add("compass");
        add("evian");
        add("towel");
    }

    public boolean
    add(Object x) {
        if (x.equals(
            "kitchen sink"))
            return false;
        return super.add(x);
    }
}
> ((HashSet) new Backpack()).
    add("kitchen sink")
```

<input type="radio"/>	A	15%	true
<input checked="" type="radio"/>	B	10%	false
<input type="radio"/>	C	5%	ClassCastException
<input type="radio"/>	D	3%	no such method