

253424342334

O 1harris harris2 Correct
 That's correct! The program makes a map containing two key,value pairs:
 ("ian", 1) and ("harris", 2). The loop searches for the key "harris" and prints
 the key "harris" together with its value 2.

5. What is printed when the following program is executed?

# Type P struct {
| type P struct {
| v ye P struct {
| v s string |
| s string |
| s string |
| tunc main() {
| b i = P("x", -1) |
| a i = [...]P(P("a", 10), |
| P("b", 2), |
| P("b", 2), |
| p yer, 3)}
| for , z i = range a {
| if z,y > b,y {
| b = z |
| if |
| fmt.Println(b.x) |
| fmt.Println(b.x) |

a О ь

O c

 $\bigcirc \ \mathsf{x}$ 

○ Correct
That's correct! The program defines a new structure type called P which has two fields, x and y. The program then creates an array a of structures of type P. The loop checks each structure in the array and assigns to the structure in the array with the largest value (\*). The x field of the struct with the largest y value is printed. Since (\*a", 10) has the largest y value, \*a" is printed.

6. What is printed when the following program is executed?

1/1 point

1/1 point

```
| func main() {
| s := make([]int, 0, 3) |
| s = spend(s, 100) |
| fmt.Println(len(s), cap(s)) |
| 6
```

13

0 0 3

O 11

O 14

**⊘** Correct

That's correct! The program first creates a slice s with length 0 and capacity 3. Then the program appends an element to the slice which increases its length to 1, but does not change its capacity since the adding the element did not require the capacity to increase.