Create Task

Snap! 9.0, https://snap.berkeley.edu

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Sprite

Scripts

```
when [flag] clicked
set lists
set size to (75) %
ask (join [What is your favorite animal?] (first) (<>)) and wait
first question
add (answer) to (sorting list)
ask (join [Pick a word to describe yourself:] (second) (<>)) and wait
second question
add (answer) to (sorting list)
ask (join [What is your favorite color?] (3rd) (<>)) and wait
third question
add (answer) to (sorting list)
ask (join [Choose an element:] (4th) (<>)) and wait
4th question
add (answer) to (sorting list)
ask (join [Which smell is most appealing to you?] (5th) (<>)) and wait
5th question
add (answer) to (sorting list)
broadcast (results ▼) ►
```

```
when I receive (results ▼) ►
counter changer (sorting list)
maximum (counter a) (counter b) (counter c) (counter d)
```

```
▼
Background:
https://harrypotter.fandom.com/wiki/Great_Hall  /.
```

```
▼
Costume:
https://hogwartslegacy.wiki.fextralife.com/The+Sorting+Hat  /.
```

Stage

For all Sprites

Variables

-

-

- **5th**
  1. (empty)
  2. a. log fire
  3. (empty)
  4. b. fresh parchment
  5. (empty)
  6. c. sea
  7. (empty)
  8. d. home

  length: 8

- counter a `0`

- counter b `0`

- counter c `0`

- counter d `0`

- **first**
  1. (empty)
  2. a. lion
  3. (empty)
  4. b. eagle
  5. (empty)
  6. c. snake
  7. (empty)
  8. d. otter

  length: 8

- **second**
  1. (empty)
  2. a. brave
  3. (empty)
  4. b. smart
  5. (empty)
  6. c. determined
  7. (empty)
  8. d. loyal

  length: 8

- **sorting list**
  1. a
  2. a
  3. a
  4. a
  5. a

  length: 5
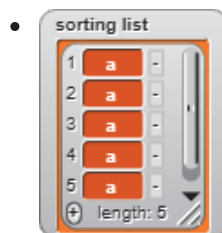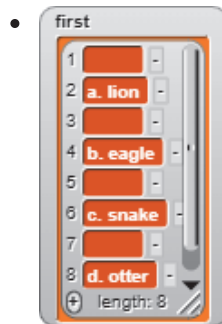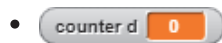
Blocks

Control

- `counter changer ▯`

```
+ counter + changer + (input) +
for (i) = 1 to (length ▾ of (input))
  if (item (i) of (input) = a)
    change counter a ▾ by 1
  else if (item (i) of (input) = b)
    change counter b ▾ by 1
  else if (item (i) of (input) = c)
    change counter c ▾ by 1
  else if (item (i) of (input) = d)
    change counter d ▾ by 1
```
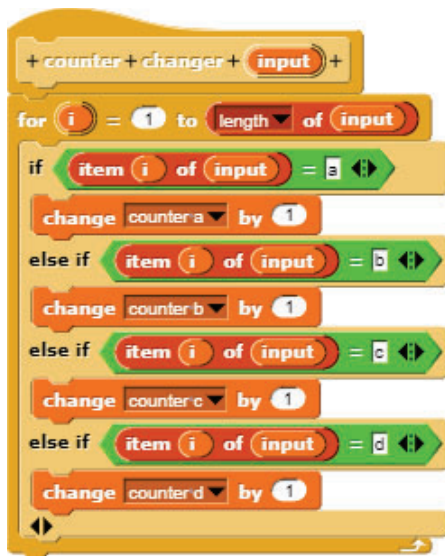
Variables

- `first question`

```
+ first + question +
set first ▾ to (list ▤ a.*lion ▤ b.*eagle ▤ c.*snake ▤ d.*otter)
```

- `second question`

```
+ second + question +
set second ▾ to (list * a.*brave ▤ b.*smart ▤ c.*determined ▤ d.*loyal)
```
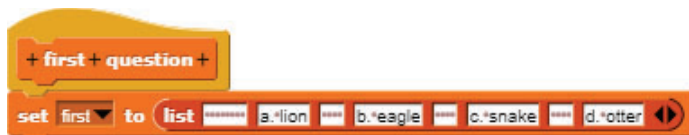
- `third question`

```
+ third + question +
set 3rd ▾ to (list ▤ a.*red ▤ b.*blue ▤ c.*green * d.*yellow)
```

- `4th question`

```
+ 4th + question +
set 4th ▾ to (list ▤ a.*fire ▤ b.*water ▤ c.*air ▤ d.*earth)
```
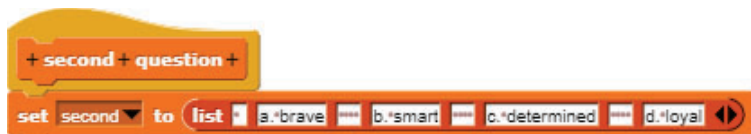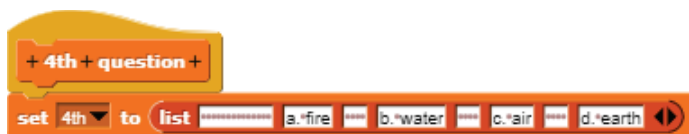
- `5th question`

```
+ 5th + question +
  set 5th ▼ to
    list (——————— | a.°log°fire | °°° | b.°fresh°parchment | °°° | c.°sea | °°° | d.°home ◄►)
```

- maximum ▯ ▯ ▯ ▯

```
+ maximum + (counter a) + (counter b) + (counter c) + (counter d) +
  repeat (1)
    if  ((counter a) > (counter b) ◄►) and ((counter a) > (counter c) ◄►) and
        ((counter a) > (counter d) ◄►) ◄►
      say [You°are°a°Gryffindor!]
    else if  ((counter b) > (counter a) ◄►) and ((counter b) > (counter c) ◄►) and
        ((counter b) > (counter d) ◄►) ◄►
      say [You°are°a°Ravenclaw!]
    else if  ((counter c) > (counter a) ◄►) and ((counter c) > (counter b) ◄►) and
        ((counter c) > (counter d) ◄►) ◄►
      say [You°are°a°Slytherin!]
    else if  ((counter d) > (counter a) ◄►) and ((counter d) > (counter b) ◄►) and
        ((counter d) > (counter c) ◄►) ◄►
      say [You°are°a°Hufflepuff!]
    else if  ((counter a) = (counter b) ◄►)
      say [You°are°a°Gryffindor°and°a°Ravenclaw!] for (2) secs
    else if  ((counter a) = (counter c) ◄►)
      say [You°are°a°Gryffindor°and°a°Slytherin!] for (2) secs
    else if  ((counter a) = (counter d) ◄►)
      say [You°are°a°Gryffindor°and°a°Hufflepuff!] for (2) secs
    else if  ((counter b) = (counter c) ◄►)
      say [You°are°a°Ravenclaw°and°a°Slytherin!] for (2) secs
    else if  ((counter b) = (counter d) ◄►)
      say [You°are°a°Ravenclaw°and°a°Hufflepuff!] for (2) secs
    else if  ((counter c) = (counter d) ◄►)
      say [You°are°a°Slytherin°and°a°Hufflepuff!] for (2) secs
    ◄►
```

- set lists

```
+ set + lists +
    set  counter a ▼  to  0
    set  counter b ▼  to  0
    set  counter c ▼  to  0
    set  counter d ▼  to  0
    set  sorting list ▼  to  (list ▶)
```