



- 1, If you are a dog what will you do (act it out)?
- 2, If you are not a dog what will you do?
- 3, What is the condition?
- 4, Does this code, start an action, switch between two actions or stop a loop?
- 5, When this code is run, how many times will it check the condition?
- 6, What could you do to check the condition over and over again?
- 7, Which blocks are outputs?

**Stage 1**



- 1, If you love cats what will you do (act it out)?
- 2, If you don't love cats what will you do?
- 3, What is the condition?
- 4, Does this code, start an action, switch between two actions or stop a loop?
- 5, When this code is run, how many times will it check the condition?
- 6, What could you do to check the condition over and over again?
- 7, Which blocks are outputs?

**Stage 1**



## Answers



- 1, If you are a dog what will you do? **(whine and bark once)**
- 2, If you are not a dog what will you do? **(Nothing)**
- 3, What is the condition. **(if you are a dog)**
- 4, Does this code, start an action, switch between two actions or stop a loop? **(start an action)**
- 5, When this code is run, how many times will it check the condition? **(once)**
- 6, What could you do to check the condition over and over again? **(put all the code inside a forever loop)**
- 7, Which blocks are outputs? **(Whine and Bark)**

Stage 1



## Answers



- 1, If you love cats what will you do? **(Jump once)**
- 2, If you don't love cats what will you do? **(Nothing)**
- 3, What is the condition? **(if you love cats)**
- 4, Does this code, start an action, switch between two actions or stop a loop? **(Start and action)**
- 5, When this code is run, how many times will it check the condition? **(once)**
- 6, What could you do to check the condition over and over again? **(put all the code inside a forever loop)**
- 7, Which blocks are outputs? **(jump)**

Stage 1



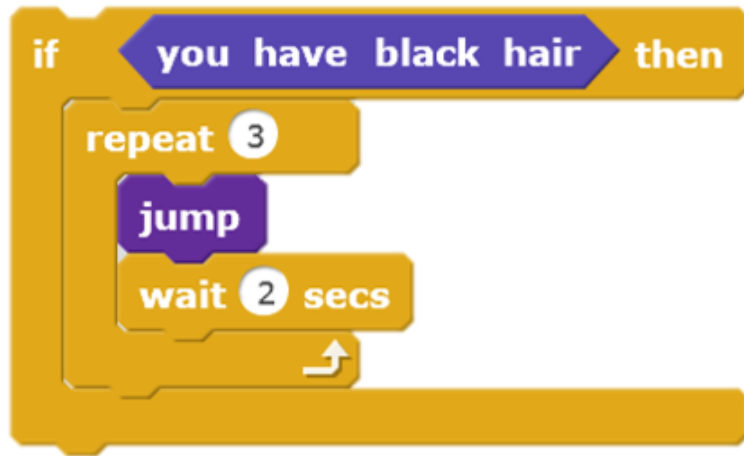
```
if you have black hair then
  repeat 3
    jump
    wait 2 secs
```

- 1, If you have black hair what will you do (act it out)?
- 2, How many times will jump be run if someone has black hair?
- 3, What would you change to make someone jump faster?
- 4, Point to the condition.
- 5, Does this code, start an action, switch between two actions or stop a loop?
- 6, When this code is run, how many times will it check the condition?
- 7, What could you do to check the condition over and over again?
- 8, Which blocks are outputs?

```
if you have brown eyes then
  repeat 3
    jump
    wave
```

- 1, If you have brown eyes what will you do (act it out)?
- 2, How many times will jump be run if someone has brown eyes?
- 3, What would you change to make someone jump 7 times?
- 4, Point to the condition.
- 5, Does this code, start an action, switch between two actions or stop a loop?
- 6, When this code is run, how many times will it check the condition?
- 7, What could you do to check the condition over and over again?
- 8, Which blocks are outputs?

## Answers



- 1, If you have black hair what will you do (act it out)?  
**Jump wait jump wait jump wait**
- 2, How many times will jump be run if someone has black hair?  
**Three times**
- 3, What would you change to make someone jump faster? **Increase time to wait to more than 2 seconds**
- 4, Point to the condition **If you have black hair**
- 5, Does this code, start an action, switch between two actions or stop a loop? **Starts an action**
- 6, When this code is run, how many times will it check the condition?  
**Once**
- 7, What could you do to check the condition over and over again?  
**Put it inside a forever loop**
- 8, Which blocks are outputs? **jump**

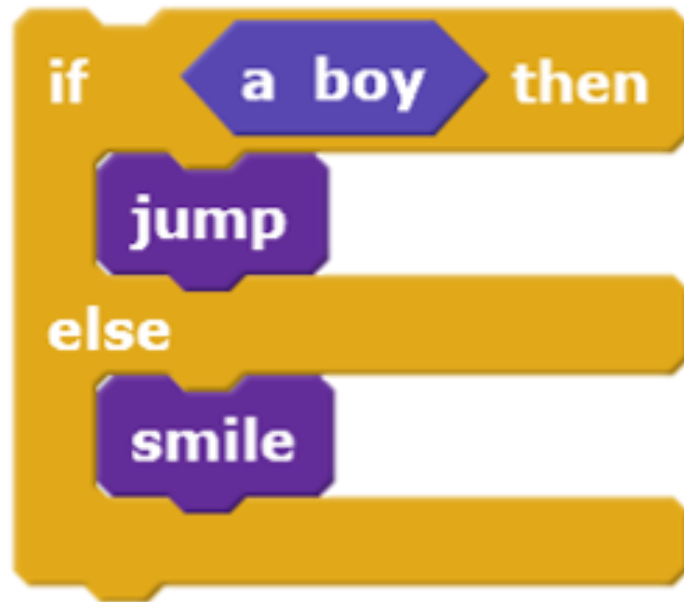


## Answers



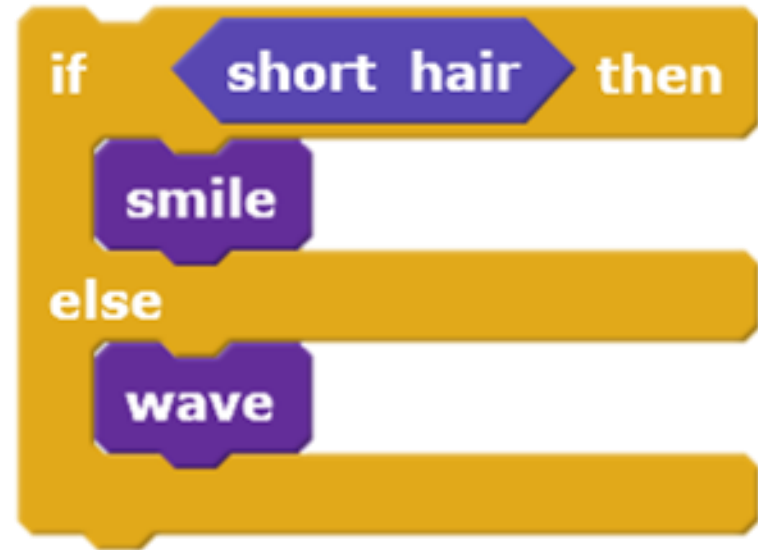
- 1, If you have brown eyes what will you do (act it out)?  
**Jump jump jump wave**
- 2, How many times will jump be run if someone has brown eyes? **3 times**
- 3, What would you change to make someone jump 7 times?  
**Repeat 3 to repeat 7**
- 4, Point to the condition **if you have brown eyes**
- 5, Does this code, start an action, switch between two actions or stop a loop? **Starts an action**
- 6, When this code is run, how many times will it check the condition?  
**Once only**
- 7, What could you do to check the condition over and over again?  
**Wrap the code inside a forever loop**
- 8, Which blocks are outputs? **Jump and wave**





- 1, If you are a boy what will you do?
- 2, If you are not a boy what will you do?
- 3, Point to the condition.
- 4, Does this code, start an action, switch between two actions or stop a loop?
- 5, When this code is run, how many times will it check the condition?
- 6, What could you do to check the condition over and over again?

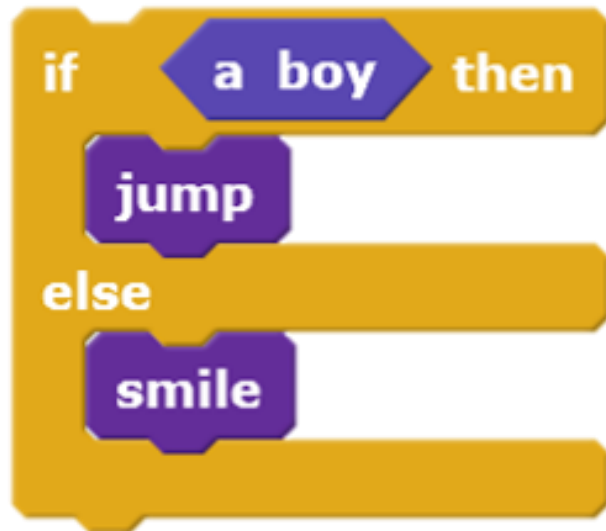
7, Which blocks are outputs?



- 1, If you have short hair what will you do?
- 2, If you don't have short hair what will you do?
- 3, Point to the condition.
- 4, Does this code, start an action, switch between two actions or stop a loop?
- 5, When this code is run, how many times will it check the condition?
- 6, What could you do to check the condition over and over again?

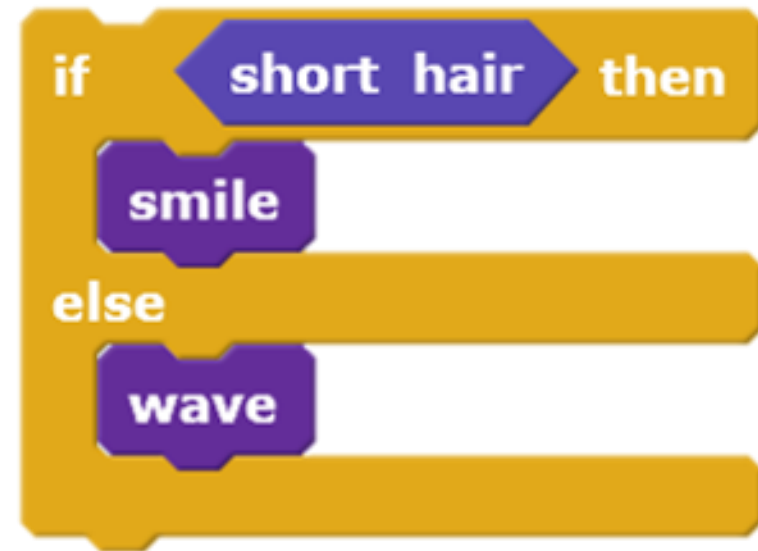
7, Which blocks are outputs?

## Answers



- 1, If you are a boy what will you do? **jump**
- 2, If you are not a boy what will you do? **smile**
- 3, Point to the condition. **A boy**
- 4, Does this code, start an action, switch between two actions or stop a loop? **Switch between two actions**
- 5, When this code is run, how many times will it check the condition?  
**Once only**
- 6, What could you do to check the condition over and over again?  
**Wrap all this code inside a forever loop**
- 7, Which blocks are outputs? **Jump and smile**

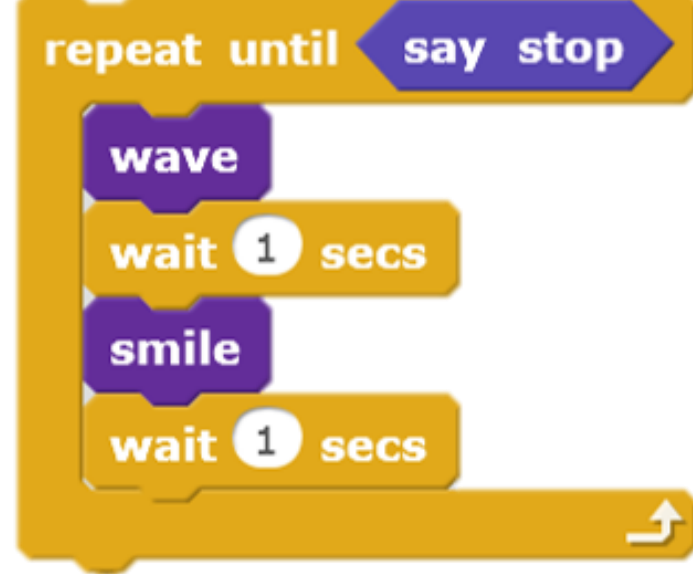
## Answers



- 1, If you have short hair what will you do? **smile**
- 2, If you don't have short hair what will you do? **wave**
- 3, Point to the condition. **If short hair**
- 4, Does this code, start an action, switch between two actions or stop a loop? **Switch between two actions**
- 5, When this code is run, how many times will it check the condition?  
**Once only**
- 6, What could you do to check the condition over and over again?  
**Wrap all the code inside a forever loop**
- 7, Which blocks are outputs? **Smile and wave**



- 1, What actions are repeated?
- 2, How many times are the actions repeated?
- 3, What stops the repeated actions?
- 4, Point to the condition?
- 5, Which blocks are outputs?
- 6, How would you speed up the actions / outputs?
- 7, Does this code, start an action, switch between two actions or stop a loop?



- 1, What actions are repeated?
- 2, How many times are the actions repeated?
- 3, What stops the repeated actions?
- 4, Point to the condition?
- 5, Which blocks are outputs?
- 6, How would you speed up the actions / outputs?
- 7, Does this code, start an action, switch between two actions or stop a loop?

## Answers



1, What actions are repeated?

**Smile waiting 1 second frown waiting 1 second**

2, How many times are the actions repeated?

**Forever until the foot is touched**

3, What stops the repeated actions? **Foot is touched**

4, What is the condition? **Foot touched**

5, Which blocks are outputs? **Smile, frown & waiting**

6, How would you speed up the actions / outputs?

**Make the waits less than 1 second**

7, Does this code, start an action, switch between two actions or stop a loop? **Stop a loop**



## Answers



1, What actions are repeated?

**Wave wait 1 second smile wait 1 second**

2, How many times are the actions repeated? **Forever until say stop**

3, What stops the repeated actions? **Say stop**

4, What is the condition? **Say stop**

5, Which blocks are outputs? **Smile, wave & wait 1 second**

6, How would you speed up the actions / outputs?

**Make the waits less than 1 second**

7, Does this code, start an action, switch between two actions or stop a loop? **Stop a loop**

