



PreStudyBlock

Please enter your participant ID

Is this your first session or your second session?

- ☐ First
- ☐ Second

Are you using cannabis for this programming session?

- ☐ Yes
- ☐ No

How high are you right now?

- ☐ I am not at all high
- ☐ I am a little bit high

- ☐ I am moderately high
- ☐ I am very high
- ☐ I am extremely high
-

If possible, please upload a picture of the cannabis that you have taken. (Include the labels, brand name, etc.):

How long before the start of this session did you take the cannabis?

- ☐ <15min
- ☐ 15-30min
- ☐ 30-60min
- ☐ 60-120min
- ☐ >120min
-

General Cannabis Usage Patterns: DFAQ-CU

What was the ingestion method of the cannabis that you used?

- | | |
|--|--|
| <input type="checkbox"/> Joints | <input type="checkbox"/> Bong (water pipe) |
| <input type="checkbox"/> Blunts (cigar sized joints) | <input type="checkbox"/> Vaporizer (e.g., Volcano, Vape pen) |
| <input type="checkbox"/> Hand pipe | <input type="checkbox"/> Other |
| | <input type="text"/> |
-

What was the form of the cannabis you used?

- ☐ Marijuana
- ☐ Concentrates (e.g., Oil, Wax, Shatter, Butane Hash Oil, Dabs)
- ☐ Other
-

Please use the image below to refer to various quantities of marijuana. The image is not to scale; the dollar bill is included to help provide size perspective.



For the question below, clearly indicate the number of grams of marijuana you used with a number between 0 – 100. You may use up to 3 decimals to indicate amounts under 1 gram.

Note: $\frac{1}{8}$ of a gram = 0.125 grams, $\frac{1}{4}$ of a gram = 0.25 grams, $\frac{1}{2}$ of a gram = 0.5 grams, $\frac{3}{4}$ of a gram = 0.75 grams. $\frac{1}{8}$ of an ounce = 3.5 grams, $\frac{1}{4}$ of an ounce = 7 grams, $\frac{1}{2}$ ounce = 14 grams, 1 ounce = 28 grams

How much marijuana did you use before today's session?

What was the THC content of the marijuana you used? **(Leave blank if you do not know.)**

- ☐ 0 – 4%
- ☐ 5 – 9%
- ☐ 10 – 14%
- ☐ 15 – 19%
- ☐ 20 – 24%
- ☐ 25 – 30%
- ☐ greater than 30%

How many hits of cannabis concentrates did you take before the session?

What is the average THC content of the concentrates you typically use? **(Leave blank if you do not know.)**

- ☐ 0 – 9%
- ☐ 10 – 19%
- ☐ 20 – 29%
- ☐ 30 – 39%
- ☐ 40 – 49%
- ☐ 50 – 59%
- ☐ 60 – 69%
- ☐ 70 – 79%
- ☐ 80 – 90%
- ☐ greater than 90%

PostBlock

You have finished the short form programming assignments!

Please **do not** close this window. The research staff will give you further instructions.



Please Enter your Participant ID

How high are you right now?

- ☐ I'm not at all high.
- ☐ I'm a little bit high.
- ☐ I'm moderately high.
- ☐ I'm very high.
- ☐ I'm extremely high.

How confident are you in your answers to the programming free response?

- ☐ I'm not at all confident.
 - ☐ I'm a little bit confident.
 - ☐ I'm moderately confident.
 - ☐ I'm very confident.
 - ☐ I'm extremely confident.
-

How do you think your performance compared to the previous session?

- ☐ Extremely worse
 - ☐ Much worse
 - ☐ Worse
 - ☐ Same
 - ☐ Better
 - ☐ Much better
 - ☐ Extremely better
 - ☐ Cannot tell
-

Do you use VS code regularly?

- ☐ I never use VS code
 - ☐ I rarely use VS code
 - ☐ I sometimes use VS code
 - ☐ I often use VS code
 - ☐ I frequently use VS code
 - ☐ I always use VS code
-

How does using text editors such as VS Code while high compare to using them while sober?

- ☐ A lot easier to use when high
 - ☐ A little easier to use when high
 - ☐ No or minimal impact
 - ☐ A little harder to use when high
 - ☐ A lot harder to use when high
-

How was the experience using Codespaces (the platform you used to do the programming)? i.e. How did it compare to your normal programming environment?

- ☐ extremely worse
 - ☐ much worse
 - ☐ worse
 - ☐ same
 - ☐ better
 - ☐ much better
 - ☐ extremely better
 - ☐ cannot tell
-

Why did you feel that way in answering the previous question (the experience using Codespaces compared to your working environment). (optional)

Do you have anything to say about your experience programming while high? What was different compared to programming sober?

Have you solved any of the three longer problems you worked on today before? (Select all that apply)

- ☐ I have solved the first one before
- ☐ I have solved the second one before
- ☐ I have solved the third one before
- ☐ I have never solved any of the problems before

Is there anything else you'd like to mention to the research team?

Initial Instructions

In the rest of this survey, you will be asked a series of programming and puzzle questions.

It should take around 20 minutes to complete

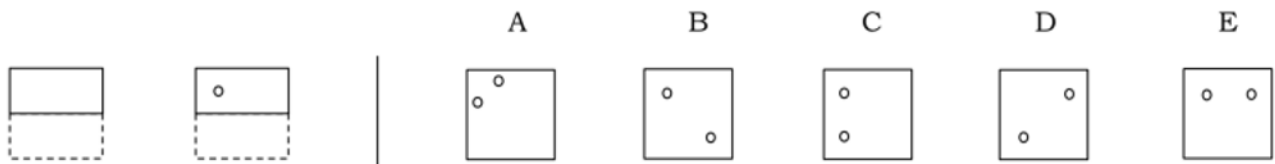
Please read the instructions between problem types. You can also use these as a place to pause if needed as they are not timed. The problems themselves will be timed and will auto advance.

Paper Folding Test

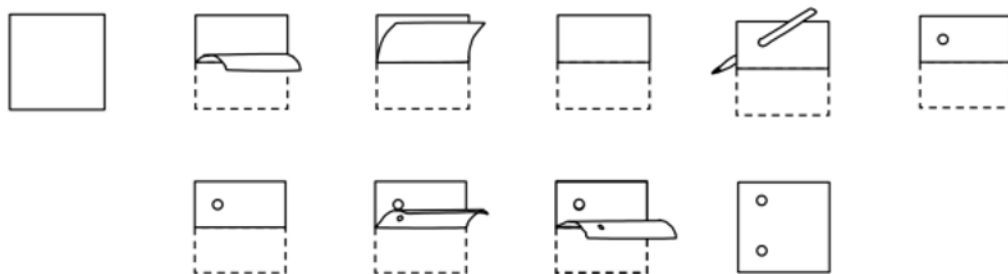
Paper Folding Portion: ≤3 Minutes

In this test you are to **imagine the folding and unfolding of pieces of paper**. For each problem, there are some figures drawn to the left of a vertical line and there are others drawn to the right of the line. The figures at the left represent a square piece of paper being folded, and the last of these figures has one or two small circles drawn on it to show where the paper has been punched. Each hole is punched through all the thicknesses of paper at that point. One of the five figures on the right of the vertical line shows where the holes will be when the paper is completely unfolded. You are to decide which one of these figures is correct and select the corresponding button (choices A-E).

Now try the sample problem below. (In this problem only one hole was punched in the folded paper).



The **correct answer to the sample problem above is C**. The figures below show how the paper was folded and why C is the correct answer.



In these problems, all of the folds that are made are shown in the figures at the left of the

line, and the paper is not turned or moved in any way except to make the folds shown in the figures. Remember, the answer is the figure that shows the positions of the holes when the paper is completely unfolded.

Some of the problems on this sheet are more difficult than others. **If you are unable to do one of the problems, simply skip over it and go on to the next one.**

You will have three minutes for this test. It has ten questions.

Please do not use scratch paper for this section.

Please press start below when you are ready.



For each of the following, choose the paper on the right that results from the folding operations on the left:



A
☐

B
☐

C
☐

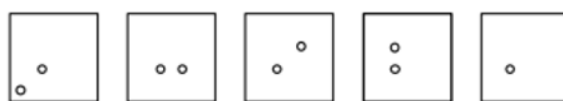
A

B

C

D

E



D
☐

E
☐

Not Sure
☐



A
☐

B
☐

C
☐

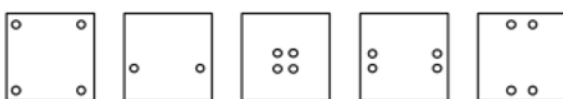
A

B

C

D

E



D
☐

E
☐

Not Sure
☐



A
☐

B
☐

C
☐

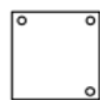
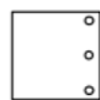
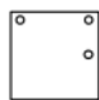
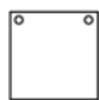
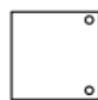
A

B

C

D

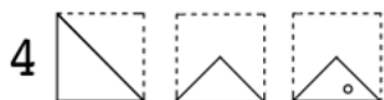
E



D
☐

E
☐

Not Sure
☐



A
☐

B
☐

C
☐

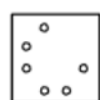
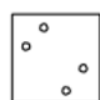
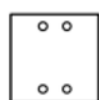
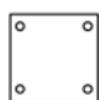
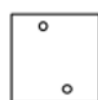
A

B

C

D

E



D
☐

E
☐

Not Sure
☐



A
☐

B
☐

C
☐

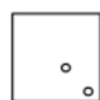
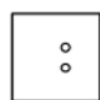
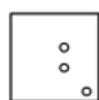
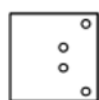
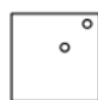
A

B

C

D

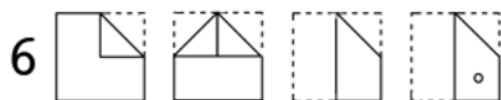
E



D
☐

E
☐

Not Sure
☐



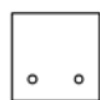
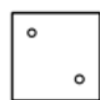
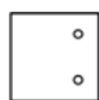
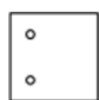
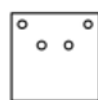
A

B

C

D

E



A
☐

B
☐

C
☐

D
☐

E
☐

Not Sure
☐

7



A

B

C

D

E



A
☐

B
☐

C
☐

D
☐

E
☐

Not Sure
☐

8



A

B

C

D

E



A
☐

B
☐

C
☐

D
☐

E
☐

Not Sure
☐

9



A

B

C

D

E



A
☐

B
☐

C
☐

D
☐

E
☐

Not Sure
☐

A

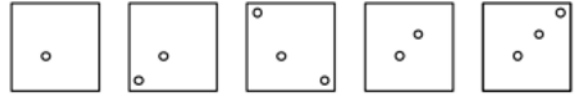
B

C

D

E

10



A



B



C



D



E



Not Sure



Thank you for completing the paper folding questions!

Short programming question insructions

You will see a series of boolean statements embedded in functions. Your goal is to determine if they return true or false.

You have at most 30 seconds per question.

Once you click an answer, the problem will automatically advance

TrueFalse





☐ Choice A: True

☐ Choice B: False

☐ I do not know

WriteOutput Instructions

You will now see several small python programs where you will be asked to write the output of the code. **You have 45 seconds per question.**

If you finish before the time is up, you can press the advance button.

 WriteOutput





Stroop Instructions

Can you tell that each word below is printed in the same color as the word? (e.g., **GREEN** is green and **RED** is red)

GREEN

RED

BLUE

YELLOW

Yes

☐

No

☐

In this task, you will see color names (e.g., "blue") that are printed in different colors. You need to respond to the print color.

For example, if you see: **GREEN** You should press **R** because the color was printed in red. The other buttons used in this study are "g", "y", and "b" for green, yellow and blue.

Here are a few more examples:

GREEN: click **G** because it's **Green**

RED: click **Y** because it's **Yellow**

BLUE: click **B** because it's **Blue**

YELLOW: click **R** because it's **Red**

You will get multiple trials (~20), and for each, you will have a couple of seconds to respond.

Stroop Block



`${Im://Field/1}`

☐ R

☐ G

☐ B

☐ Y

CORRECT

INCORRECT

OUT OF TIME

FillInTheBlank

You will now see several python functions that have a part of the code missing. You will be asked to write the missing code statement. **You have 90 seconds per question.**

If you finish before the time is up, you can press the advance button.

Note: Tab does not work in Qualtrics, instead use two or four spaces to start each indented line

FillInTheBlank

+

`\${Im://Field/1}`

