COMPUTE 2024 - IIT Gandhinagar
SimpliPy: A Notional Machine for learning Python
Worksheet 0

December 05, 2024

ID: _____

Workshop Instructions

1. On **all** your worksheets, please write as your ID, the token number given to you.
2. *Please do* **not** *write your name or any other personal identification information anywhere on this sheet or any of the worksheets or the feedback form.*
3. At the end of the workshop, you will be asked to complete an online feedback form.
4. Make sure you write the same ID assigned to you on all your worksheets and the feedback form.

Consent to use your work for academic research

The authors are engaged in research related to novel ways of understanding programs. These worksheets are designed with the above research focus. Your worksheet submissions and survey responses help us further this research. Your worksheets and feedback information are available only to the authors. All data will be kept in an anonymous manner and aggregated. No personal information will be collected, used, or shared elsewhere.

If you do not wish to allow the use of your data in this research, please tick the "NO" box below. In that case the data from your worksheets will not be used as part of the research. Otherwise, please tick "YES".

☐ **YES**, I consent to the use of my worksheet data and my feedback for the purpose of academic research being conducted by the authors.

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Worksheet Format

- Draw/write the trace of the Python program given below.
- Use your preferred method of tracing.
- The goal is to represent your mental model of how programs execute.

Program

```
0
  def f(y):
1
      y = x + 1
2
      return 1
3
  x = 2
4
  while x > 0:
5
      a = f(x)
6
      x = x - a
7
      continue
8
  b = x + a
9
```

Space to trace the Python program

Space for Rough Work