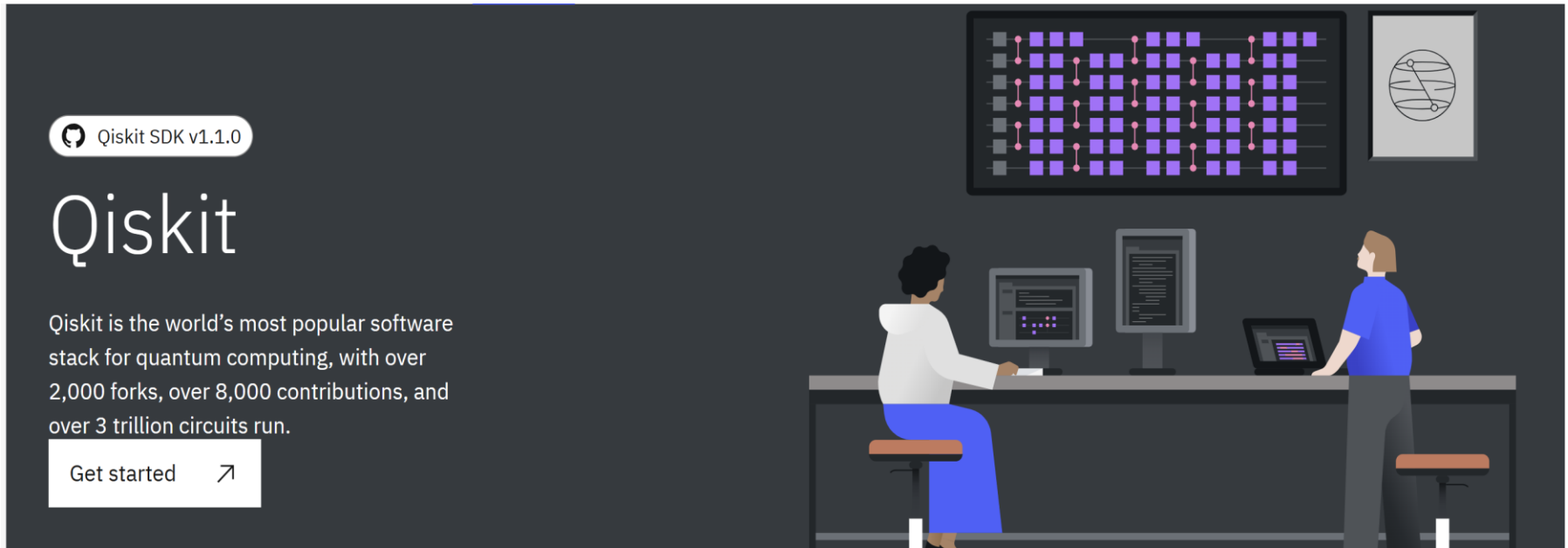


IBM®



IBM Qiskit

IBM Qiskit is an open-source quantum computing software development framework



The banner features a dark grey background. On the left, the text 'Qiskit SDK v1.1.0' is in a white rounded rectangle. Below it, the word 'Qiskit' is in a large white font. Further down, a paragraph describes Qiskit as the world's most popular software stack for quantum computing, mentioning over 2,000 forks, 8,000 contributions, and 3 trillion circuits run. A 'Get started' button with an external link icon is at the bottom left. On the right, an illustration shows two people at a desk with multiple monitors. One monitor displays a quantum circuit diagram with purple squares and red lines. Another monitor shows code. A framed picture of a quantum circuit is on the wall.

Qiskit SDK v1.1.0

Qiskit

Qiskit is the world's most popular software stack for quantum computing, with over 2,000 forks, over 8,000 contributions, and over 3 trillion circuits run.

Get started ↗

[Qiskit | IBM Quantum Computing](https://qiskit.org)

Components of Qiskit



Environment Setup

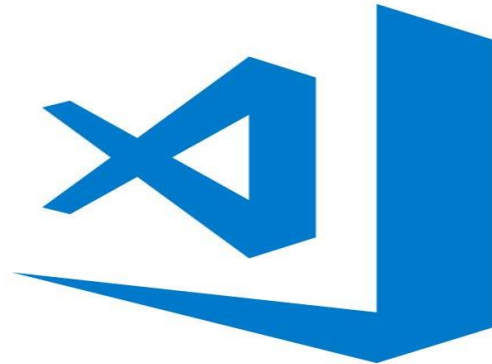


Download & Install

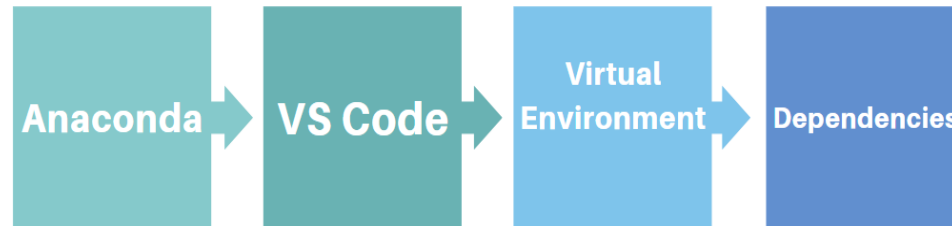


Anaconda

[Installing Anaconda on Windows \(youtube.com\)](https://www.youtube.com/watch?v=8mX83333333)



Visual Studio Code



Virtual Environment

```
conda create --name qc python=3.11
```

Dependencies

```
pip install -r requirements.txt
```