# Introduction to Computer Science and Programming 1

# CSCI120

**Sample Coding Videos**

**Note:** This document has been designed and developed as part of an initiative for creating an OER (Open Education Resource) package for the course CSCI 120 at Columbia College.

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**Topic: Data Structure**

* <https://www.youtube.com/watch?v=T8xTbRSiyps&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=5>
* <https://www.youtube.com/watch?v=7X8P9SuAd4g&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=5>
* <https://www.youtube.com/watch?v=KTJ3R3mjM-A&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=6>
* <https://www.youtube.com/watch?v=ExV-J5i1aZ8&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=7>
* <https://www.youtube.com/watch?v=5k3_HVUQmLQ&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=8>
* <https://www.youtube.com/watch?v=RZen5FaJ598&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=9>
* <https://www.youtube.com/watch?v=uFfR1iCU8RE&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=10>
* <https://www.youtube.com/watch?v=k7D11Qojrh0&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=11>
* <https://www.youtube.com/watch?v=Wd-ceBLfFYM&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=12>

**Topic: Functions**

* <https://www.youtube.com/watch?v=Wd-ceBLfFYM&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=12>
* <https://www.youtube.com/watch?v=hePF5ifqCDk&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=21>
* https://www.youtube.com/watch?v=aiDXbMI8tkI&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=22
* <https://www.youtube.com/watch?v=PGLwj08fGQA&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=23>
* https://www.youtube.com/watch?v=fMtehTZdjoA&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=24

**Topics: Basics**

* <https://www.youtube.com/watch?v=3yS0ovRSF48&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=16>
* https://www.youtube.com/watch?v=dL4-mNhF9S0&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=25
* <https://www.youtube.com/watch?v=wUW7F2xBU_s&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=17>
* https://www.youtube.com/watch?v=csTElXmDQMI&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=45
* <https://www.youtube.com/watch?v=QcL_h8C-ivU&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=18>
* <https://www.youtube.com/watch?v=2_U2xJ69i0s&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=19>
* <https://www.youtube.com/watch?v=csTElXmDQMI&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=20>
* https://www.youtube.com/watch?v=txK\_t5sTX7k&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=53
* <https://www.youtube.com/watch?v=hhEcyL4MS4w&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=52>
* <https://www.youtube.com/watch?v=XWvKynzWtxg&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=54>
* <https://www.youtube.com/watch?v=Tko6Au4oF4s&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=55>
* <https://www.youtube.com/watch?v=E8rGXbrgrUs&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=57>
* <https://www.youtube.com/watch?v=QTgXdSiEiEE&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=58>
* <https://www.youtube.com/watch?v=tlEvbr6jCOk&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=59>
* <https://www.youtube.com/watch?v=mhbzW3cEGVU&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=60>
* <https://www.youtube.com/watch?v=D8KYLKfsPxw&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=61>
* <https://www.youtube.com/watch?v=e-NG_yTCyZY&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=62>
* <https://www.youtube.com/watch?v=DlJw8t5i_0g&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=63>
* <https://www.youtube.com/watch?v=_dM5QklrbUY&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=64>
* https://www.youtube.com/watch?v=sSVdykYpGT4&list=PLjlb1wJyI3PK6NqlpZ3l0ukjUDGZHL6w3&index=65